
PRODUCT CATALOGUE

Heatshrink solutions

Insulate, identify and protect your wires and cables



Thomas & Betts is now ABB Installation Products, but our long legacy of quality products and innovation remains the same. From connectors that help wire buildings on Earth to cable ties that help put machines in space, we continue to work every day to make, market, design and sell products that provide a smarter, safer and more reliable flow of electricity, from source to socket.

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Shrink-Kon®

To insulate and protect cables

ABB has you covered when it comes to insulation!

- Easy to use
- Heat shrinkable
- Heavy, medium and thin wall products

Shrink-Kon® thin wall tubing

Manufactured from crosslinked Polyolefin, these products are used to insulate bare Sta-Kon® and Color Keyed® connectors and splices. They also provide a degree of strain relief and may be used to harness wires. Available in cut pieces or reels. Featured products Include:

- Single wall non-lined 2:1 and 3:1 thin wall tubing
- 3:1 and 4:1 dual wall adhesive lined thin-wall PKG series provides excellent flexibility with environmental sealing capability
- Transparent heat shrink tubing for use on power connections and data connections
- Zero Halogen and flame retardant version for use in contained areas

Shrink-Kon® medium wall tubing

More flexible than heavy-wall products, with excellent resistance to impact and abrasion.

- Seals and protects cable splices and terminations
- Thermoplastic adhesive liner guarantees complete environmental protection and insulation

Thick wall Shrink-Kon® heat-shrinkable insulators

When it comes to moisture-proofing connections and terminations, ABB's heat-shrinkable tubing, cable breakouts and end caps have proven themselves over years of service to the industry. Made of thermally stabilized cross-linked polyolefin, these heat-shrinkable insulators can be used over lead, steel, aluminum, copper, standard plastic, and elastomeric insulating materials.

ABB heat-shrinkable insulators are designed to be easy to use. They provide an appropriate level of insulation and abrasion protection.

Thomas & Betts – A Member of the ABB Group

Since June 2012, Thomas & Betts (T&B) is a Member of the ABB Group. ABB is a leading power and automation technology group, active in more than 100 countries with about 150.000 employees worldwide.

With Thomas & Betts, this portfolio will be now completed with the following product lines and flagship brands:

- **Wire & cable management** – Ty-Rap® and Ty-Met® cable ties, Shrink-Kon® heat shrink, T&B Cabletray






- **Cable protection systems** – nylon & metallic incl. brands: PMA, Adaptaflex, Kopex, Harnessflex
- **Low power connection & control** – Furse lightning & surge protection, Elastimold, Joslyn Hi-Voltage
- **Emergency lighting** – emergency lighting, battery systems incl. VanLien, Kaufel, Emergi-Lite brands
- **Hazardous location products** – DTS explosion proof light & boxes, Kopex-Ex conduits & fittings



Shrink-Kon® – Heat shrink technologies

Product selection guide

Product selection guide

	Product type	Title	Title
	PLG/ PLG in HSB Boxes	Multipurpose tube in flexible polyolefin	General purpose, flexible heat shrink tubing for the protection, insulation and bundling of cables
	CMP	Multipurpose tube in flexible polyolefin-Dual listed	Typical applications are mechanical and electrical insulation, corrosion protection, bundling, mechanical protection and much more
	MLP	Multipurpose tube in flexible polyolefin-Dual listed	Typical applications are insulation, corrosion protection, component strain relief and connections in applications requiring the highest specifications (e.g. aeronautical and military)
	GYS/GYS in HSB Boxes	Striped green and yellow, flexible polyolefin	For identifying and marking earthing connectors and cables
	PIG/PIG in HSB Boxes	Very flexible polyolefin, high shrink ratio	For highly contoured components with large diameter variations. Green and yellow for earthing applications
	PKG/PKG in HSB Boxes	Flexible polyolefin, high shrink ratio, adhesive bonds to plastics, rubber, neoprene, steel and polyethylene	Adhesive-lined heat shrink tubing ideal for a moisture-resistant insulation
	KYN	High specifications, semi-rigid Kynar®* heat shrink tubing with excellent mechanical and electrical insulation performance	Ideal for specific applications where mechanical and chemical protection are required. Enables see through inspections
	VIT	High flexibility Viton®** fluoroelastomer for enhanced protection in extreme electrical, chemical and thermal environments	Its specificity make it the product of choice for heavy-duty conditions e.g. sensors in vehicle engine compartments
	TBM	Medium heat shrink tubing ideal for the protection of cable joints and terminations in low voltage power applications	For a variety of low voltage applications where lighter weight and greater flexibility are important
	TBW	Thick wall heat shrink ideal for underground low voltage power applications and terminations	This heavy wall product provides maximum reliability for insulating and protecting cable joints
	VMS (Low voltage kits)	Medium and heavy wall cable jointing kit for polymeric insulated cables	Low voltage jointing applications
	TEB	Medium and heavy wall adhesive lined heat shrink cable breakouts	To insulate and seal low voltage cable
	TEC	Medium and heavy wall adhesive lined heat shrink end caps	To seal and protect cable-ends against the ingress of moisture and contamination
	TBTA-ZH (Self amalgamating tape)	Self-amalgamating tape which provides a thick insulating layer	Flawless electrical stability and for long term resistance to moisture penetration

* Kynar® is a registered trademark of ATOFINA

** Viton® is a registered trademark of DuPont de Nemours

*** except transparent version

Characteristics	Shrink ratio	Temperature range	Flame rating	Certification(s)
Single wall	2:1	-55°C to +135°C	Flame retardant***	
Single wall	2:1	-55°C to +135°C	Flame retardant***	UL, CSA
Single wall	2:1	-55°C to +135°C	Flame retardant***	UL, CSA, MIL
Single wall	2:1	-55°C to +135°C	Flame retardant	MIL
Single wall	3:1	-55°C to +135°C	Flame retardant***	MIL
Dual wall	3:1 and 4:1	-55°C to +110°C (outer jacket)	Flame retardant***	
Non polyolefin: crosslinked polyvinylidene fluoride (Kynar®*)	2:1	-55°C to +175°C	High flame retardancy	MIL
Non polyolefin: crosslinked fluoroelastomer (Viton®**)	2:1	-55°C to +220°C	High flame retardancy	MIL
Medium wall	3:1	-55°C to +110°C	Non Flame retardant	
Thick wall	3:1	-55°C to +110°C	Non Flame retardant	
Medium and thick wall	3:1	-55°C to +110°C	Non Flame retardant	
Medium and thick wall	>2:1	-55°C to +100°C	Non Flame retardant	
Medium and thick wall	>2:1	-55°C to +100°C	Non Flame retardant	
EPR based tape	1:3	-55°C to +105°C	Flame retardant	

Product reference structure

Shrink-Kon® – Thin wall heat shrink tubing

Expanded diameter as supplied in
thousandths of an inch

XXXX



PLG

1000 0



A



Type of heat shrink

PLG	flexible
CMP	Dual listed
MLP	flexible for high specifications
GYS	flexible green and yellow
PIG	very flexible for highly contoured components
PKG	flexible for moist environments
KYN	semi-rigid transparent
VIT	highly flexible, flame retardant

Colour

0	black (standard)	
1	brown	
2	red	
3	orange	
4	yellow	
5	green	
6	blue	
7	purple	
8	grey	
9	white	
C	transparent	
E	green/yellow	

See product page for colour availability

Packaging type*

A	1.22m cut lengths
B	reels
BG	big reels
C	0.6m cut lengths
D	box
E	mini-reels

* Not necessary for PLG-HSB boxes

Shrink-Kon® – Thin wall heat shrink tubing

Type PLG – HSB boxes



Characteristics

- PLG heat shrink tubing in a compact, handy sized box used for electrical maintenance and repair
- Convenient amount of heat shrink, for small users
- Offered in 10 sizes to cover a heat shrink range from Ø 1.2mm to Ø 25.4mm
- Stackable boxes for easy storage
- Flexible, rapid shrinkage, non-melting for effective electrical insulation
- Flame retardant
- Available colours: see below (see page 8 for product reference structure)

Technical information

- Wall thickness: Thin
- Shrink ratio: 2:1
- Tube characteristics: Single wall
- Temperature range: -55°C to +135°C
- Shrinking temperature: +110°C
- Material: Crosslinked polyolefin
- IP rating: IP60
- Standard colour: Black
- Other properties:
 - Silicone, Cadmium and Lead free
 - Transparent version: Halogen free

Type PLG – HSB boxes

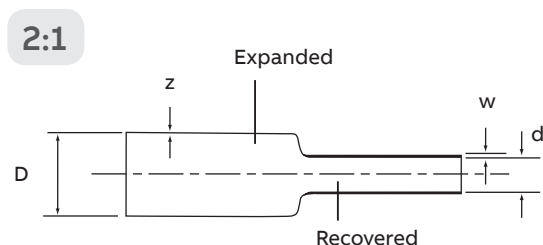
Product ref.	Expanded diameter D		Fully recovered diameter d (mm)	Wall thickness before shrinking z (mm)	Wall thickness after shrinking z (mm)	Length per box (m)
	(in)	(mm)				
HSB46	$\frac{3}{64}$	1.2	0.6	0.20	0.4	12.0
HSB63	$\frac{1}{16}$	1.6	0.8	0.20	0.4	12.0
HSB93	$\frac{3}{32}$	2.4	1.2	0.25	0.5	11.5
HSB125	$\frac{1}{8}$	3.2	1.6	0.25	0.5	11.5
HSB187	$\frac{3}{16}$	4.8	2.4	0.25	0.5	9.5
HSB250	$\frac{1}{4}$	6.4	3.2	0.30	0.6	7.5
HSB375	$\frac{3}{8}$	9.5	4.8	0.30	0.6	6.5
HSB500	$\frac{1}{2}$	12.7	6.4	0.30	0.6	6.0
HSB750	$\frac{3}{4}$	19.0	9.5	0.40	0.6	5.0
HSB1000	1	25.4	12.7	0.45	0.9	3.3

Colour code

Suffix	Colour	Suffix	Colour
1	Brown	6	Blue
2	Red	8	Grey
4	Yellow	9	White
5	Green	C	Transparent

For other colours add colour suffix to Product Reference
For brown, green and grey please contact your sales office

Dimensions



Shrink-Kon® – Thin wall heat shrink tubing

Type PLG – Flexible



Characteristics

- Multi-purpose use for insulation, bundling, identification, strain relief and much more
- Heat shrink tubing with 15 nominal diameters to enclose components from Ø 1.2mm to Ø 101.6mm
- Flame retardant
- Flexible, rapid shrinkage, non melting for effective electrical insulation
- Available colours: see below (see page 8 for product reference structure)
- Special colours available on request

Technical information

- Wall thickness: Thin
- Shrink ratio: 2:1
- Tube characteristics: Single wall
- Tube length: 1.22 m
- Temperature range: -55°C to +135°C
- Shrinking temperature: +110°C
- Material: Crosslinked polyolefin
- IP rating: IP60
- Standard colour: Black
- Other properties:
 - Silicone, Cadmium and Lead free
 - Transparent version: Halogen free

Type PLG – Flexible

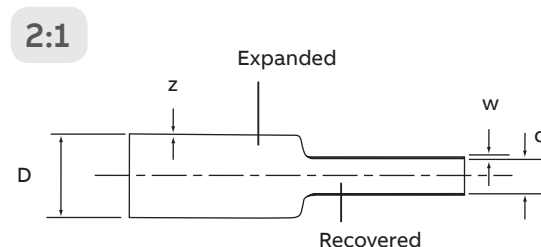
Product ref.	Expanded diameter D		Fully recovered diameter d (mm)	Wall thickness before shrinking z (mm)	Wall thickness after shrinking w (mm)	Length per box (pieces 1.22m)
	(in)	(mm)				
PLG46-0-A	3/64	1.2	0.6	0.20	0.4	25
PLG63-0-A	1/16	1.6	0.8	0.20	0.4	25
PLG93-0-A	3/32	2.4	1.2	0.25	0.5	25
PLG125-0-A	1/8	3.2	1.6	0.25	0.5	25
PLG187-0-A	3/16	4.8	2.4	0.25	0.5	25
PLG250-0-A	1/4	6.4	3.2	0.30	0.6	25
PLG375-0-A	3/8	9.5	4.8	0.30	0.6	25
PLG500-0-A	1/2	12.7	6.4	0.40	0.6	25
PLG750-0-A	3/4	19.0	9.5	0.40	0.8	10
PLG1000-0-A	1	25.4	12.7	0.45	0.9	10
PLG1250-0-A	1 1/4	31.75	15.9	0.45	0.9	10
PLG1500-0-A	1 1/2	38.0	19.0	0.50	1.0	5
PLG2000-0-A	2	50.8	25.4	0.55	1.1	5
PLG3000-0-A	3	76.2	38.1	0.65	1.3	2
PLG4000-0-A	4	101.6	50.8	0.70	1.4	1

Colour code

Suffix	Colour	Suffix	Colour
0	Black	6	Blue
2	Red	9	White
4	Yellow	C	Transparent

For other colours add colour suffix to Product Reference.
For brown (-1), green (-5) and grey (-8) please contact your Sales Office for availability.

Dimensions



Shrink-Kon® – Thin wall heat shrink tubing






Type PLG – Flexible (continued)

Type PLG – Flexible

Product ref.	Expanded diameter D		Fully recovered diameter d	Wall thickness before shrinking z	Wall thickness after shrinking w	Length per box
	(in)	(mm)				
PLG46-0-B*	$\frac{3}{64}$	1.2	0.6	0.20	0.4	300
PLG63-0-B*	$\frac{1}{16}$	1.6	0.8	0.20	0.4	300
PLG93-0-B*	$\frac{3}{32}$	2.4	1.2	0.25	0.5	300
PLG125-0-B*	$\frac{1}{8}$	3.2	1.6	0.25	0.5	300
PLG187-0-B*	$\frac{3}{16}$	4.8	2.4	0.25	0.5	300
PLG250-0-B*	$\frac{1}{4}$	6.4	3.2	0.30	0.6	300
PLG375-0-B*	$\frac{3}{8}$	9.5	4.8	0.30	0.6	150
PLG500-0-B*	$\frac{1}{2}$	12.7	6.4	0.40	0.6	100
PLG750-0-B*	$\frac{3}{4}$	19.0	9.5	0.40	0.8	50
PLG1000-0-B*	1	25.4	12.7	0.45	0.9	50
PLG1250-0-B*	1 $\frac{1}{4}$	31.75	15.9	0.45	0.9	50
PLG1500-0-B*	1 $\frac{1}{2}$	38.0	19.0	0.50	1.0	50
PLG2000-0-B*	2	50.8	25.4	0.55	1.1	50
PLG3000-0-B*	3	76.2	38.1	0.65	1.3	25
PLG4000-0-B*	4	101.6	50.8	0.70	1.4	25
PLG46-0-E	$\frac{3}{64}$	1.2	0.6	0.20	0.4	150
PLG63-0-E	$\frac{1}{16}$	1.6	0.8	0.20	0.4	150
PLG93-0-E	$\frac{3}{32}$	2.4	1.2	0.25	0.5	150
PLG125-0-E	$\frac{1}{8}$	3.2	1.6	0.25	0.5	150
PLG187-0-E	$\frac{3}{16}$	4.8	2.4	0.25	0.5	75
PLG250-0-E	$\frac{1}{4}$	6.4	3.2	0.30	0.6	75
PLG375-0-E	$\frac{3}{8}$	9.5	4.8	0.30	0.6	75
PLG500-0-E	$\frac{1}{2}$	12.7	6.4	0.40	0.8	50
PLG750-0-E	$\frac{3}{4}$	19.0	9.5	0.40	0.9	30
PLG1000-0-E	1	25.4	12.7	0.45	0.8	30
PLG1250-0-E	1 $\frac{1}{4}$	31.75	15.9	0.45	0.9	30
PLG1500-0-E	1 $\frac{1}{2}$	38.0	19.0	0.50	1.0	30
PLG2000-0-E	2	50.8	25.4	0.55	1.1	30

* B-reels only available in black (-0)

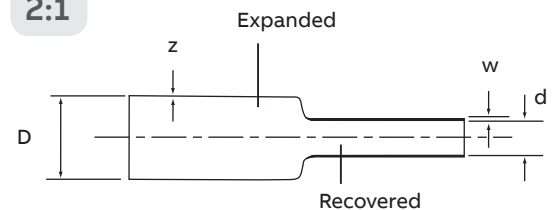
Colour code

Suffix	Colour	Suffix	Colour
2	Red 	9	White 
4	Yellow 	C	Transparent 
6	Blue 		

For other colours add colour suffix to Product Reference

Dimensions

2:1



Shrink-Kon® – Thin wall heat shrink tubing

Type PLG – Pre-cut bags



Characteristics

- The Shrink-Kon® pre-cut packs of PLG heat shrink are available to replenish the Shrink-Kon® set or for use on displays
- 9 different expanded diameters
- 6 different colours
- Packed in small quantities
- Flexible, rapid shrinkage, non-melting for effective electrical insulation
- Flame retardant
- Available colours: see below (see page 8 for product reference structure)
- Selling unit 1 bag – MOQ 10 bags

Technical information

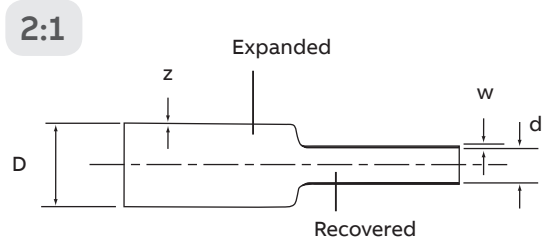
- Wall thickness: Thin
- Shrink ratio: 2:1
- Tube characteristics: Single wall
- Temperature range: -55°C to +135°C
- Shrinking temperature: +110°C
- Material: Crosslinked polyolefin
- IP rating: IP60
- Other properties:
 - Silicone, Cadmium and Lead free
 - Transparent version: Halogen free

Type PLG - Pre-cut bags

Product ref.	Expanded diameter as supplied D		Fully recovered diameter d (mm)	Wall thickness before shrinking z (mm)	Wall thickness after shrinking w (mm)	Colour	Length (cm)	Quantity (pieces/bag)
	(in)	(mm)						
PLG63-0-5R	1/16	1.6	0.8	0.20	0.4	Black	5	50
PLG63-C-5R	1/16	1.6	0.8	0.20	0.4	Transparent	5	50
PLG93-0-5R	3/32	2.4	1.2	0.25	0.5	Black	5	50
PLG93-C-5R	3/32	2.4	1.2	0.25	0.5	Transparent	5	50
PLG125-9-10R	1/8	3.2	1.6	0.25	0.5	White	10	25
PLG125-4-10R	1/8	3.2	1.6	0.25	0.5	Yellow	10	25
PLG125-C-10R	1/8	3.2	1.6	0.25	0.5	Transparent	10	25
PLG125-0-10R	1/8	3.2	1.6	0.25	0.5	Black	10	25
PLG187-0-10R	3/16	4.8	2.4	0.25	0.5	Black	10	25
PLG187-6-5R	3/16	4.8	2.4	0.25	0.5	Blue	5	40
PLG187-4-5R	3/16	4.8	2.4	0.25	0.5	Yellow	5	40
PLG187-C-5R	3/16	4.8	2.4	0.25	0.5	Transparent	5	40
PLG250-6-10R	1/4	6.4	3.2	0.30	0.6	Blue	10	20
PLG250-0-10R	1/4	6.4	3.2	0.30	0.6	Black	10	20
PLG250-9-5R	1/4	6.4	3.2	0.30	0.6	White	5	40
PLG250-4-5R	1/4	6.4	3.2	0.30	0.6	Yellow	5	40
PLG375-0-10R	3/8	9.5	4.8	0.30	0.6	Black	10	15
PLG375-6-10R	3/8	9.5	4.8	0.30	0.6	Blue	10	15
PLG500-2-10R	1/2	12.7	6.4	0.40	0.6	Red	10	15
PLG500-0-18R	1/2	12.7	6.4	0.40	0.6	Black	18	8
PLG750-6-10R	3/4	19.1	9.5	0.40	0.8	Blue	10	10
PLG750-0-18R	3/4	19.1	9.5	0.40	0.8	Black	18	6
PLG1000-0-18R	1	25.4	12.7	0.45	0.9	Black	18	3

Other dimensions or colours available upon request

Dimensions



Shrink-Kon® – Thin wall heat shrink tubing

Shrink-Kon® set



Characteristics

- A kit comprising PLG heat shrink with or without hot air tool in a handy carry case
- Maintenance and repair, research and development, small series manufacture and much more
- 9 different expanded diameters
- 6 different colours
- 23 types
- Flame retardant
- Case made from shock-resistant plastic
- All types available in refill packages
- **Product Ref.: SK-1400GTG** (with GR121)

- **Product Ref.: SK-1400GTG-UK** (with GR321)
- **Product Ref.: SK-1400G** (without hot air tool)

Technical information

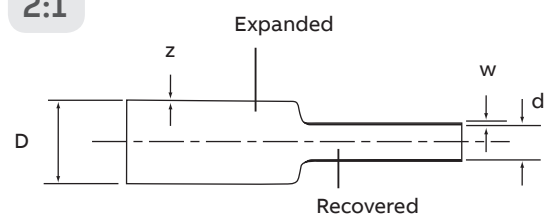
- Wall thickness: Thin
- Shrink ratio: 2:1
- Tube characteristics: Single wall
- Temperature range: -55°C to +135°C
- Shrinking temperature: +110°C
- Material: Crosslinked polyolefin
- IP rating: IP60
- Other properties
 - Silicone, Cadmium and Lead free
 - Transparent version: Halogen free

Shrink-Kon® set

Set contents Product ref.	Expanded diameter as supplied D		Fully recovered diameter d (mm)	Wall thickness before shrinking z (mm)	Wall thickness after shrinking w (mm)	Colour	Length (cm)	Quantity (pieces)
	(in)	(mm)						
PLG63-0	1/16	1.6	0.8	0.20	0.4	Black	5	20
PLG63-C	1/16	1.6	0.8	0.20	0.4	Transparent	5	20
PLG93-C	3/32	2.4	1.2	0.25	0.5	Transparent	5	20
PLG93-0	3/32	2.4	1.2	0.25	0.5	Black	10	15
PLG125-C	1/8	3.2	1.6	0.25	0.5	Transparent	10	15
PLG125-4	1/8	3.2	1.6	0.25	0.5	Yellow	10	10
PLG125-9	1/8	3.2	1.6	0.25	0.5	White	10	10
PLG125-0	1/8	3.2	1.6	0.25	0.5	Black	10	12
PLG187-C	3/16	4.8	2.4	0.25	0.5	Transparent	5	10
PLG187-4	3/16	4.8	2.4	0.25	0.5	Yellow	5	10
PLG187-6	3/16	4.8	2.4	0.25	0.5	Blue	5	20
PLG187-0	3/16	4.8	2.4	0.25	0.5	Black	10	12
PLG250-4	1/4	6.4	3.2	0.30	0.6	Yellow	5	16
PLG250-6	1/4	6.4	3.2	0.30	0.6	Blue	10	12
PLG250-9	1/4	6.4	3.2	0.30	0.6	White	5	16
PLG250-0	1/4	6.4	3.2	0.30	0.6	Black	10	10
PLG375-6	3/8	9.5	4.8	0.30	0.6	Blue	10	10
PLG375-0	3/8	9.5	4.8	0.30	0.6	Black	18	4
PLG500-2	1/2	12.7	6.4	0.40	0.6	Red	10	6
PLG500-0	1/2	12.7	6.4	0.40	0.8	Black	18	4
PLG750-6	3/4	19.0	9.5	0.40	0.8	Blue	10	4
PLG750-0	3/4	19.0	9.5	0.40	0.8	Black	18	4
PLG1000-0	1	25.4	12.7	0.45	0.9	Black	18	3

Dimensions

2:1



Shrink-Kon® – Thin wall heat shrink tubing

Type CMP – Dual listed





Characteristics

- Typical applications are mechanical and electrical insulation, corrosion protection, bundling, mechanical protection and much more
- Internal diameters from 1.2mm to 25.4mm
- Flame retardant
- Flammability per UL 224
- The tubing is marked
- Available colours: see below (see page 8 for product reference structure)

Technical information

- Wall thickness: Thin
- Shrink ratio: 2:1
- Tube characteristics: Single wall
- Tube length: 1.22m
- Temperature range: -55°C to +135°C
- Shrinking temperature: +110°C
- Material: Crosslinked polyolefin
- IP rating: IP60
- Standard colour: Black
- Other properties
 - Silicone, Cadmium and Lead free
 - Transparent version: Halogen free

Type CMP – Dual listed

Approvals	Product ref.	Expanded diameter D		Fully recovered diameter d (mm)	Wall thickness before shrinking z (mm)	Wall thickness after shrinking w (mm)	Length per box (pieces 1.22m)
		(in)	(mm)				
 	CMP46-0-A	3/64	1.2	0.6	0.20	0.4	25
	CMP63-0-A	1/16	1.6	0.8	0.20	0.4	25
	CMP93-0-A	3/32	2.4	1.2	0.25	0.5	25
	CMP125-0-A	1/8	3.2	1.6	0.25	0.5	25
	CMP187-0-A	3/16	4.8	2.4	0.25	0.5	25
	CMP250-0-A	1/4	6.4	3.2	0.30	0.6	25
	CMP375-0-A	3/8	9.5	4.8	0.30	0.6	25
	CMP500-0-A	1/2	12.7	6.4	0.30	0.6	25
	CMP750-0-A	3/4	19.0	9.5	0.40	0.8	10
	CMP1000-0-A	1	25.4	12.7	0.45	0.9	10

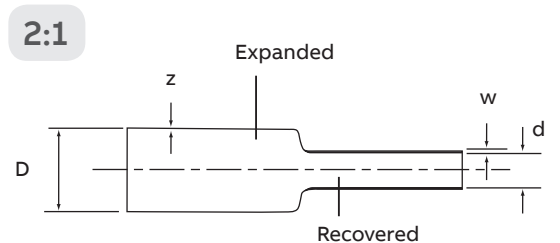
* Transparent version not UL recognized

Colour code

Suffix	Colour	Suffix	Colour
0	Black	6	Blue
2	Red	9	White
4	Yellow	C	Transparent

For other colours add colour suffix to Product Reference



Dimensions



Shrink-Kon® – Thin wall heat shrink tubing

Type CMP – Dual listed (continued)










Type CMP – Dual listed

Approvals	Product ref.	Expanded diameter D		Fully recovered diameter d (mm)	Wall thickness before shrinking z (mm)	Wall thickness after shrinking w (mm)	Length per reel (m)
		(in)	(mm)				
 E79546 *  702106	CMP46-0-BG*	3/64	1.2	0.6	0.20	0.4	300
	CMP63-0-BG*	1/16	1.6	0.8	0.20	0.4	300
	CMP93-0-BG*	3/32	2.4	1.2	0.25	0.5	300
	CMP125-0-BG*	1/8	3.2	1.6	0.25	0.5	300
	CMP187-0-BG*	3/16	4.8	2.4	0.25	0.5	300
	CMP250-0-BG*	1/4	6.4	3.2	0.30	0.6	300
	CMP375-0-BG*	3/8	9.5	4.8	0.30	0.6	150
	CMP500-0-BG*	1/2	12.7	6.4	0.30	0.6	100
	CMP750-0-BG*	3/4	19.1	9.5	0.40	0.8	50
	CMP1000-0-BG*	1	25.4	12.7	0.45	0.9	50
	CMP1500-0-BG*	1 1/2	38.0	19.0	0.50	1.0	50
	CMP2000-0-BG*	2	50.8	25.4	0.55	1.1	50
	CMP46-0-E	3/64	1.2	0.6	0.20	0.4	150
	CMP63-0-E	1/16	1.6	0.8	0.20	0.4	150
	CMP93-0-E	3/32	2.4	1.2	0.25	0.5	150
	CMP125-0-E	1/8	3.2	1.6	0.25	0.5	150
	CMP187-0-E	3/16	4.8	2.4	0.25	0.5	75
	CMP250-0-E	1/4	6.4	3.2	0.30	0.6	75
	CMP375-0-E	3/8	9.5	4.8	0.30	0.6	75
	CMP500-0-E	1/2	12.7	6.4	0.30	0.6	50
	CMP750-0-E	3/4	19.0	9.5	0.40	0.8	30
	CMP1000-0-E	1	25.4	12.7	0.45	0.9	30
	CMP1500-0-E	1 1/2	38.0	19.0	0.50	1.0	30
	CMP2000-0-E	2	50.8	25.4	0.55	1.1	30

* Transparent version not UL recognized

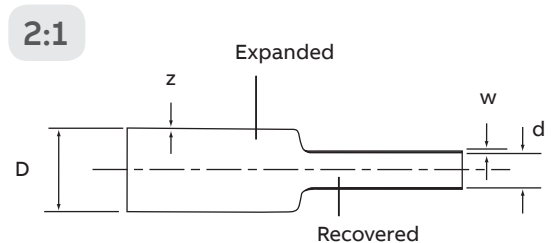
*BG-reels only available in black (-0)

Colour code

Suffix	Colour	Suffix	Colour
0	Black 	6	Blue 
1	Brown 	8	Grey 
2	Red 	9	White 
4	Yellow 	C	Transparent 
5	Green 		

E-reels: for other colours add colour suffix to Product Reference
For brown and green please contact your sales office

Dimensions



Shrink-Kon® – Thin wall heat shrink tubing

Type MLP – Flexible for high specifications





Characteristics

- Typical applications are insulation, corrosion protection, component strain relief and connections in applications requiring the highest specifications (e.g. aeronautical and military applications)
- Internal diameters from 1.2mm to 25.4mm
- Dual Listed
- Meets MIL-DTL-23053/5 requirements, Class 1 and Class 2
- Weather UV-resistant
- Good chemical resistance
- Flame retardant
- Available colours: see below (see page 8 for product reference structure)







Technical information

- Wall thickness: Thin
- Shrink ratio: 2:1
- Tube characteristics: Single wall
- Tube length: 1.22m
- Temperature range: -55°C to +135°C
- Shrinking temperature: +90°C
- Material: Crosslinked polyolefin
- IP rating: IP60
- Standard colour: Black
- Other properties
 - Silicone, Cadmium and Lead free
 - Transparent version: Halogen free

Type MLP - Flexible for high specifications

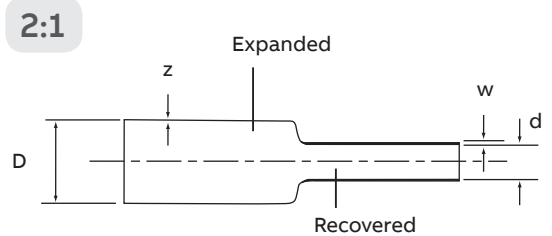
Approvals	Product ref.	Expanded diameter D		Fully recovered diameter d (mm)	Wall thickness before shrinking z (mm)	Wall thickness after shrinking w (mm)	Length per box (pieces 1.22m)
		(in)	(mm)				
 	MLP46-0-A	3/64	1.2	0.6	0.20	0.4	25
	MLP63-0-A	1/16	1.6	0.8	0.20	0.4	25
	MLP93-0-A	3/32	2.4	1.2	0.25	0.5	25
	MLP125-0-A	1/8	3.2	1.6	0.25	0.5	25
	MLP187-0-A	3/16	4.8	2.4	0.25	0.5	25
	MLP250-0-A	1/4	6.4	3.2	0.30	0.6	25
	MLP375-0-A	3/8	9.5	4.8	0.30	0.6	25
	MLP500-0-A	1/2	12.7	6.4	0.30	0.6	25
	MLP750-0-A	3/4	19.0	9.5	0.40	0.8	10
	MLP1000-0-A	1	25.4	12.7	0.45	0.9	10

Colour code

Suffix	Colour	Suffix	Colour
0	Black 	6	Blue 
2	Red 	9	White 
4	Yellow 	C	Transparent 

For other colours add colour suffix to Product Reference.



Dimensions



Shrink-Kon® – Thin wall heat shrink tubing







Type MLP – Flexible for high specifications (continued)

Type MLP – Flexible for high specifications

Approvals	Product ref.	Expanded diameter D		Fully recovered diameter d (mm)	Wall thickness before shrinking z (mm)	Wall thickness after shrinking w (mm)	Length per reel (m)
		(in)	(mm)				
 	MLP46-0-BG*	3/64	1.2	0.6	0.20	0.4	300
	MLP63-0-BG*	1/16	1.6	0.8	0.20	0.4	300
	MLP93-0-BG*	3/32	2.4	1.2	0.25	0.5	300
	MLP125-0-BG*	1/8	3.2	1.6	0.25	0.5	300
	MLP187-0-BG*	3/16	4.8	2.4	0.25	0.5	300
	MLP250-0-BG*	1/4	6.4	3.2	0.30	0.6	300
	MLP375-0-BG*	3/8	9.5	4.8	0.30	0.6	150
	MLP500-0-BG*	1/2	12.7	6.4	0.30	0.8	100
	MLP750-0-BG*	3/4	19.0	9.5	0.40	0.8	50
	MLP1000-0-BG*	1	25.4	12.7	0.45	0.9	50
	MLP46-0-E	3/64	1.2	0.6	0.20	0.4	150
	MLP63-0-E	1/16	1.6	0.8	0.20	0.4	150
	MLP93-0-E	3/32	2.4	1.2	0.25	0.5	150
	MLP125-0-E	1/8	3.2	1.6	0.25	0.5	150
	MLP187-0-E	3/16	4.8	2.4	0.25	0.5	75
	MLP250-0-E	1/4	6.4	3.2	0.30	0.6	75
	MLP375-0-E	3/8	9.5	4.8	0.30	0.6	75
	MLP500-0-E	1/2	12.7	6.4	0.30	0.8	50
	MLP750-0-E	3/4	19.0	9.5	0.40	0.8	30
	MLP1000-0-E	1	25.4	12.7	0.45	0.9	30

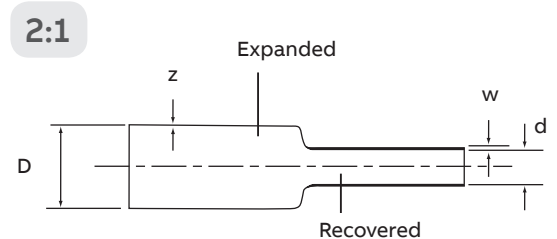
*BG-reels only available in black (-0)

Colour code

Suffix	Colour	Suffix	Colour
0	Black 	6	Blue 
2	Red 	9	White 
4	Yellow 	C	Transparent 

For other colours add colour suffix to Product Reference.

Dimensions



Shrink-Kon® – Thin wall heat shrink tubing

Type GYS – Flexible green and yellow



Characteristics

- For identifying and marking earthing connectors and cables
- Mechanical and electrical insulation, corrosion protection
- Internal diameters from 3.2mm to 25.4mm
- Flame retardant
- Meets MIL-DTL-23053/5 requirements, Class 1 and Class 2 (see page 8 for product reference structure)

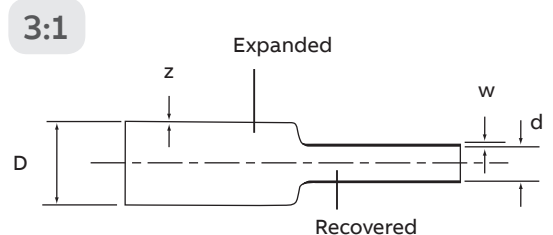
Technical information

- Wall thickness: Thin
- Shrink ratio: 3:1
- Tube characteristics: Single wall
- When sold in cut lengths: Tube length 1.22m
- Temperature range: -55°C to +135°C
- Shrinking temperature: +90°C
- Material: Crosslinked polyolefin
- IP rating: IP60
- Standard colour: Green/yellow striped
- Other properties: Silicone, Cadmium and Lead free

Type GYS – Flexible green and yellow

Product ref.	Expanded diameter D		Fully recovered diameter d (mm)	Wall thickness before shrinking z (mm)	Wall thickness after shrinking w (mm)	Length per mini-reel (m)	Length per box (pieces 1.22m)
	(in)	(mm)					
GYS125-E-A	1/8	3.2	1	0.25	0.55	–	25
GYS187-E-A	3/16	4.8	1.5	0.25	0.60	–	25
GYS250-E-A	1/4	6.4	2	0.32	0.65	–	25
GYS375-E-A	3/8	9.5	3	0.32	0.75	–	25
GYS500-E-A	1/2	12.7	4	0.32	0.75	–	25
GYS750-E-A	3/4	19.0	6	0.38	0.85	–	10
GYS1000-E-A	1	25.4	8	0.45	1.00	–	10
GYS125-E-E	1/8	3.2	1	0.25	0.55	150	–
GYS187-E-E	3/16	4.8	1.5	0.25	0.60	75	–
GYS250-E-E	1/4	6.4	2	0.32	0.65	75	–
GYS375-E-E	3/8	9.5	3	0.32	0.75	75	–
GYS500-E-E	1/2	12.7	4	0.32	0.75	50	–
GYS750-E-E	3/4	19.0	6	0.38	0.85	30	–
GYS1000-E-E	1	25.4	8	0.45	1.00	30	–

Dimensions



Shrink-Kon® – Thin wall heat shrink tubing

Type GYS – HSB boxes



Characteristics

- For identifying and marking earthing connectors and cables
- GYS heat shrink in a compact, handy sized box
- Convenient amount of heat shrink, for small users
- Offered in 7 sizes to cover a heat shrink range from 3.2mm to 25.4mm diameters
- Stackable boxes for easy storage
- Flame retardant
- Meets MIL-DTL-23053/5 requirements, Class 1 and Class 2
- Mechanical and electrical insulation, corrosion protection
- (see page 8 for product reference structure)

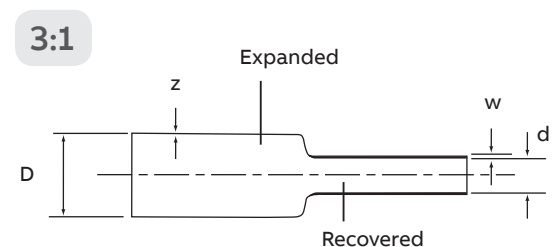
Technical information

- Wall thickness: Thin
- Shrink ratio: 3:1
- Tube characteristics: Single wall
- Temperature range: -55°C to +135°C
- Shrinking temperature: +90°C
- Material: Crosslinked polyolefin
- IP rating: IP60
- Standard colour: Green/yellow striped
- Other properties: Silicone, Cadmium and Lead free

Type GYS - HSB boxes

Product ref.	Expanded diameter D		Fully recovered diameter d (mm)	Wall thickness before shrinking z (mm)	Wall thickness after shrinking w (mm)	Length per box (pieces 1.22m)
	(in)	(mm)				
GYS125-E-D	1/8	3.2	1	0.25	0.55	11.5
GYS187-E-D	3/16	4.8	1.5	0.25	0.60	9.5
GYS250-E-D	1/4	6.4	2	0.32	0.65	7.5
GYS375-E-D	3/8	9.5	3	0.32	0.75	6.5
GYS500-E-D	1/2	12.7	4	0.32	0.75	6.0
GYS750-E-D	3/4	19.0	6	0.38	0.85	5.0
GYS1000-E-D	1	25.4	8	0.45	1.00	3.3

Dimensions



Shrink-Kon® – Thin wall heat shrink tubing

Type PIG – Very flexible for highly contoured components



Characteristics

- Heat shrink tubing to enclose highly contoured components with large diameter variations. Provides mechanical and electrical protection
- Meets UL 224 requirements
- Internal diameters from 1.6mm to 38.1mm
- Excellent mechanical strength
- Resistant to common fluids and solvents
- Flame retardant
- Meets MIL-DTL-23053/5 requirements, Class 1 and Class 2 (except green/yellow version)
- Available colours: see below (see page 8 for product reference structure)
- Special colours available on request

Technical information

- Wall thickness: Thin
- Shrink ratio: 3:1
- Tube characteristics: Single wall
- Temperature range: -55°C to +135°C
- Shrinking temperature: +90°C
- Material: Crosslinked polyolefin
- IP rating: IP60
- Standard colour: Black
- Other properties:
 - Silicone, Cadmium and Lead free
 - Transparent version: Halogen free

Type PIG – Very flexible for highly contoured components

Product ref.	Expanded diameter D		Fully recovered diameter d (mm)	Wall thickness before shrinking z (mm)	Wall thickness after shrinking w (mm)	Length per reel (m)
	(in)	(mm)				
PIG0150-0-B*	1/16	1.6	0.5	0.15	0.45	300
PIG0301-0-B*	1/8	3.2	1.0	0.18	0.55	300
PIG0451-0-B*	3/16	4.8	1.5	0.20	0.60	300
PIG0602-0-B*	1/4	6.4	2.0	0.22	0.65	300
PIG0903-0-B*	3/8	9.5	3.0	0.25	0.75	150
PIG1204-0-B*	1/2	12.7	4.0	0.25	0.75	100
PIG1806-0-B*	3/4	19.0	6.0	0.27	0.85	50
PIG2408-0-B*	1	25.4	8.0	0.33	1.00	50
PIG4013-0-B*	1 1/2	39.0	13.0	0.38	1.15	50
PIG0150-0-E**	1/16	1.6	0.5	0.15	0.45	150
PIG0301-0-E	1/8	3.2	1.0	0.18	0.55	150
PIG0451-0-E	3/16	4.8	1.5	0.20	0.60	75
PIG0602-0-E	1/4	6.4	2.0	0.22	0.65	75
PIG0903-0-E	3/8	9.5	3.0	0.25	0.75	75
PIG1204-0-E	1/2	12.7	4.0	0.25	0.75	50
PIG1806-0-E	3/4	19.0	6.0	0.27	0.85	30
PIG2408-0-E	1	25.4	8.0	0.33	1.00	30
PIG4013-0-E	1 1/2	39.0	13.0	0.38	1.15	30

* B-reels only available in black (-0)

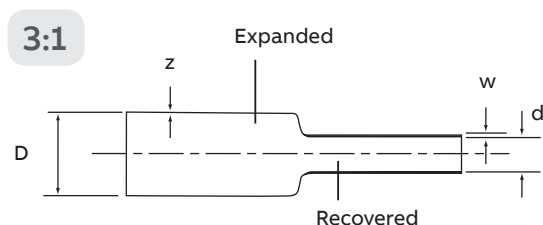
** Not available in green/yellow

Colour code

Suffix	Colour	Suffix	Colour
0	Black	9	White
2	Red	C	Transparent
4	Yellow	E	Green/yellow
6	Blue		

E-reels: for other colours add colour suffix to Product Reference

Dimensions



Shrink-Kon® – Thin wall heat shrink tubing

Type PIG – HSB boxes



Characteristics

- PIG heat shrink in a compact, handy sized box
- Workshop, installation, laboratory and much more
- Heat shrink tubing to enclose highly contoured components with large diameter variations. Provides mechanical and electrical protection
- Convenient amount of heat shrink, for small users
- Offered in 8 sizes to cover a heat shrink range from Ø 1.6mm to Ø 25.4mm
- Stackable boxes for easy storage
- Meets UL 224 requirements
- Excellent mechanical strength
- Resistant to common fluids and solvents
- Flame retardant
- Meets MIL-DTL-23053/5 requirements, Class 1 and Class 2 (except green/yellow version)
- Available colours: see below (see page 8 for product reference structure)
- Special colours available on request

Technical information

- Wall thickness: Thin
- Shrink ratio: 3:1
- Tube characteristics: Single wall
- Temperature range: -55°C to +135°C
- Shrinking temperature: +90°C
- Material: Crosslinked polyolefin
- IP rating: IP60
- Standard colour: Black
- Other properties
 - Silicone, Cadmium and Lead free
 - Transparent version: Halogen free

Type PIG – HSB boxes

Product ref.	Expanded diameter D		Fully recovered diameter d (mm)	Wall thickness before shrinking z (mm)	Wall thickness after shrinking w (mm)	Length per box (m)
	(in)	(mm)				
PIG0150-0-D*	1/16	1.6	0.5	0.15	0.45	10.5
PIG0301-0-D*	1/8	3.2	1.0	0.18	0.55	10.0
PIG0451-0-D	3/16	4.8	1.5	0.20	0.60	9.0
PIG0602-0-D	1/4	6.4	2.0	0.22	0.65	7.0
PIG0903-0-D	3/8	9.5	3.0	0.25	0.75	6.0
PIG1204-0-D	1/2	12.7	4.0	0.25	0.75	5.5
PIG1806-0-D	3/4	19.0	6.0	0.27	0.85	4.5
PIG2408-0-D	1	25.4	8.0	0.33	1.00	3.3

* Not available in green/yellow

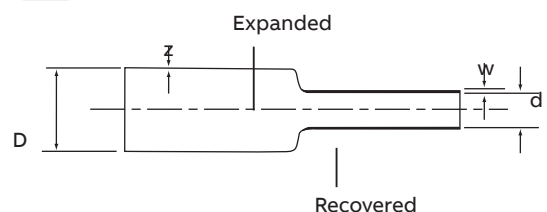
Colour code

Suffix	Colour	Suffix	Colour
0	Black	9	White
2	Red	C	Transparent
4	Yellow	E	Green/yellow
6	Blue		

E-reels: for other colours add colour suffix to Product Reference

Dimensions

3:1



Shrink-Kon® – Thin wall heat shrink tubing

Type PKG – Flexible for moist environments



Characteristics

- Crosslinked modified Polyolefin with thermoplastic adhesive lining
- Particularly suitable for corrosion and damp protected casings as well as highly contoured components
- Flame retardant
- Moisture resistant, good chemical resistance
- High mechanical stability
- The high shrink ratio and flexibility of this range allows the user maximum coverage with minimal parts
- The adhesive lining bonds to plastic, rubber, neoprene, steel and polyethylene
- Available colours: see below (see page 8 for product reference structure)

Technical information

- Wall thickness: Thin
- Shrink ratio: 3:1
- Tube characteristics: Single wall
- Temperature range: -55°C to +110°C
- Shrinking temperature: +95°C
- Material: Crosslinked polyolefin
- IP rating: IP60
- Standard colour: Black
- Other properties:
 - Silicone, Cadmium and Lead free
 - Transparent version: Halogen free

Type PKG – Flexible for moist environments

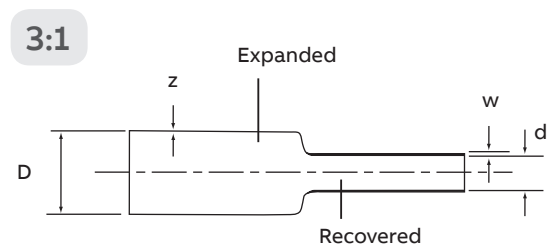
Product ref.	Expanded diameter as supplied D		Fully recovered diameter d (mm)	Wall thickness before shrinking z (mm)	Wall thickness after shrinking w (mm)	Length per reel (m)	Quantity per box (pieces 0.6m)
	(in)	(mm)					
PKG0301-0-B	0.118	3.0	1.0	0.4	1.0	300	-
PKG0602-0-B	0.236	6.0	2.0	0.5	1.2	300	-
PKG0903-0-B	0.354	9.0	3.0	0.5	1.4	150	-
PKG1204-0-B	0.472	12.0	4.0	0.6	1.7	100	-
PKG1806-0-B	0.748	19.0	6.0	0.6	2.1	50	-
PKG2408-0-B	0.945	24.0	8.0	0.7	2.4	50	-
PKG4013-0-B	1.575	40.0	13.0	0.7	2.4	30	-
PKG0301-0-C	0.118	3.0	1.0	0.4	1.0	-	20
PKG0602-0-C	0.236	6.0	2.0	0.5	1.0	-	15
PKG0903-0-C	0.354	9.0	3.0	0.5	1.4	-	10
PKG1204-0-C	0.472	12.0	4.0	0.6	1.8	-	9
PKG1806-0-C	0.748	18.0	6.0	0.6	2.2	-	6
PKG2408-0-C	0.945	24.0	8.0	0.7	2.5	-	5
PKG4013-0-C	1.575	40.0	13.0	0.7	2.5	-	4

Colour code

Suffix	Colour
0	Black
C	Transparent

For other colours add colour suffix to Product Reference

Dimensions



Shrink-Kon® – Thin wall heat shrink tubing

Type PKG – Flexible for moist environments



Characteristics

- Crosslinked modified Polyolefin with thermoplastic adhesive lining
- Particularly suitable for corrosion and damp protected casings as well as highly contoured components
- Flame retardant
- Moisture resistant, good chemical resistance
- High mechanical stability
- The high shrink ratio and flexibility of this range allows the user maximum coverage with minimal parts
- The adhesive lining bonds to plastic, rubber, neoprene, steel and polyethylene

Technical information

- Wall thickness: Thin
- Shrink ratio: 4:1
- Tube characteristics: Dual wall
- When sold in cut lengths: Tube length 0.6m
- Temperature range: -55°C to +110°C (outer jacket)
- Shrinking temperature: +95°C
- Material: Crosslinked polyolefin with adhesive lining
- IP rating: IP65
- Standard colour: Black
- Other properties: Silicone, Cadmium and Lead free

Type PKG – Flexible for moist environments

Product ref.	Expanded diameter as supplied D		Fully recovered diameter d (mm)	Wall thickness before shrinking z (mm)	Wall thickness after shrinking w (mm)	Length per reel (m)	Quantity per box (pieces 0.6m)
	(in)	(mm)					
PKG0401-0-B	0.157	4.0	1.0	0.4	1.0	300	–
PKG0802-0-B	0.315	8.0	2.0	0.5	1.0	150	–
PKG1203-0-B	0.472	12.0	3.0	0.5	1.4	100	–
PKG1604-0-B	0.630	16.0	4.0	0.5	1.7	50	–
PKG2406-0-B	0.945	24.0	6.0	0.6	2.1	50	–
PKG3208-0-B	1.260	32.0	8.0	0.7	2.4	50	–
PKG5213-0-B	2.047	52.0	13.0	0.7	2.4	30	–
PKG0401-0-C	0.157	4.0	1.0	0.4	1.0	–	20
PKG0802-0-C	0.315	8.0	2.0	0.5	1.0	–	15
PKG1203-0-C	0.472	12.0	3.0	0.5	1.4	–	10
PKG1604-0-C	0.630	16.0	4.0	0.5	1.7	–	9
PKG2406-0-C	0.945	24.0	6.0	0.6	2.1	–	5
PKG3208-0-C	1.260	32.0	8.0	0.7	2.4	–	5
PKG5213-0-C	2.047	52.0	13.0	0.7	2.4	–	3

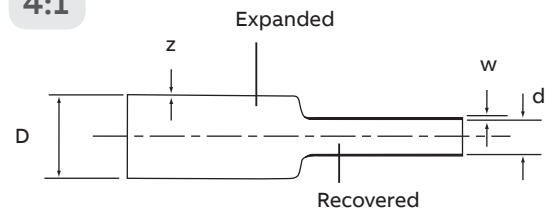
Colour code

Suffix	Colour
0	Black 

Only available in black (-0)

Dimensions

4:1



Shrink-Kon® – Thin wall heat shrink tubing

Type PKG – HSB boxes



Characteristics

- PKG heat shrink in a compact, handy sized box
- Convenient amount of heat shrink, for small users
- Particularly suitable for corrosion and damp protected casings as well as highly contoured components
- Offered in 6 sizes to cover a heat shrink range from Ø 3.0mm to Ø 24.0mm
- Stackable boxes for easy storage
- The adhesive lining bonds to plastic, rubber, neoprene, steel and polyethylene
- Flame retardant
- Moisture resistant
- Available colours: see below (see page 8 for product reference structure)

Technical information

- Wall thickness: Thin
- Shrink ratio: 3:1
- Tube characteristics: Dual wall
- Temperature range: -55°C to +110°C (outer jacket)
- Shrinking temperature: +95°C
- Material: Crosslinked polyolefin with adhesive lining
- IP rating: IP65
- Standard colour: Black
- Other properties: Silicone, Cadmium and Lead free

Type PKG – HSB boxes

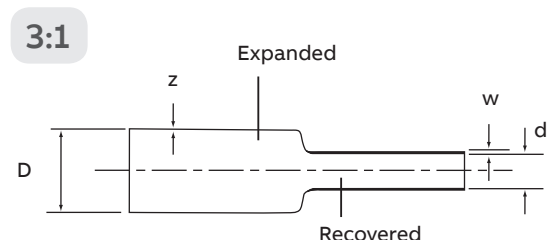
Product ref.	Expanded diameter as supplied D		Fully recovered diameter d (mm)	Wall thickness before shrinking z (mm)	Wall thickness after shrinking w (mm)	Length per box (m)
	(in)	(mm)				
PKG0301-0-D	0.118	3.0	1.0	0.4	1.0	5.0
PKG0602-0-D	0.236	6.0	2.0	0.5	1.2	3.5
PKG0903-0-D	0.354	9.0	3.0	0.5	1.4	3.0
PKG1204-0-D	0.472	12.0	4.0	0.6	1.7	2.5
PKG1806-0-D	0.748	19.0	6.0	0.6	2.1	2.0
PKG2408-0-D	0.945	24.0	8.0	0.7	2.4	1.5

Colour code

Suffix	Colour
0	Black
C	Transparent

For other colours add colour suffix to Product Reference

Dimensions



Shrink-Kon® – Thin wall heat shrink tubing

Type KYN – Semi-rigid transparent



Characteristics

- In areas of heavy mechanical loads, high temperatures and chemical stress. Insulation in densely packed wiring, in heating elements and much more
- Internal diameters from 1.2mm to 25.4mm
- High mechanical strength
- Excellent electrical insulation performance
- High flame retardancy
- Highly abrasion and cut resistant
- Resistant to Diesel
- Very good resistance against chemicals and solvents
- Meets MIL-DTL-23053/8 requirements

Technical information

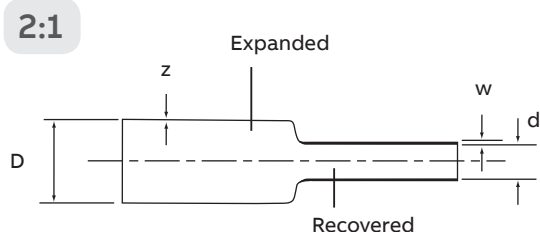
- Wall thickness: Thin
- Shrink ratio: 2:1
- Tube characteristics: Single wall
- When sold in cut lengths:
 - Tube length: 1.22m
- Temperature range: -55°C to +175°C
- Shrinking temperature: +175°C
- Material: Crosslinked and rigid Polyvinylidene Fluoride (Kynar®*)
- IP rating: IP60
- Standard colour: Transparent
- Other properties:
 - Silicone, Cadmium, Lead and Halogen free

* registered trademark of ATOFINA

Type KYN – Semi-rigid transparent

Product ref.	Expanded diameter as supplied D		Fully recovered diameter d (mm)	Wall thickness before shrinking z (mm)	Wall thickness after shrinking w (mm)	Length per reel (m)	Quantity per box (pieces 0.6 m)
	(in)	(mm)					
KYN46-C-A	$\frac{3}{64}$	1.2	0.6	0.12	0.24	–	25
KYN63-C-A	$\frac{1}{16}$	1.6	0.8	0.12	0.24	–	25
KYN93-C-A	$\frac{3}{32}$	2.4	1.2	0.12	0.24	–	25
KYN125-C-A	$\frac{1}{8}$	3.2	1.6	0.12	0.24	–	25
KYN187-C-A	$\frac{3}{16}$	4.8	2.4	0.12	0.24	–	25
KYN250-C-A	$\frac{1}{4}$	6.4	3.2	0.15	0.30	–	10
KYN375-C-A	$\frac{3}{8}$	9.5	4.8	0.15	0.30	–	10
KYN500-C-A	$\frac{1}{2}$	12.7	6.4	0.15	0.30	–	10
KYN750-C-A	$\frac{3}{4}$	19.0	9.5	0.20	0.40	–	10
KYN1000-C-A	1	25.4	12.7	0.25	0.50	–	10
KYN46-C-B	$\frac{3}{64}$	1.2	0.6	0.12	0.24	300	–
KYN63-C-B	$\frac{1}{16}$	1.6	0.8	0.12	0.24	300	–
KYN93-C-B	$\frac{3}{32}$	2.4	1.2	0.12	0.24	300	–
KYN125-C-B	$\frac{1}{8}$	3.2	1.6	0.12	0.24	300	–
KYN187-C-B	$\frac{3}{16}$	4.8	2.4	0.12	0.24	300	–
KYN250-C-B	$\frac{1}{4}$	6.4	3.2	0.15	0.30	300	–
KYN375-C-B	$\frac{3}{8}$	9.5	4.8	0.15	0.30	150	–
KYN500-C-B	$\frac{1}{2}$	12.7	6.4	0.15	0.30	100	–
KYN750-C-B	$\frac{3}{4}$	19.0	9.5	0.20	0.40	50	–
KYN1000-C-B	1	25.4	12.7	0.25	0.50	50	–

Dimensions



Shrink-Kon® – Thin wall heat shrink tubing

Type VIT – Highly flexible, flame retardant



Characteristics

- High flexibility makes it suitable even under heavy-duty conditions e.g. sensors in vehicle engine compartments
- Excellent strength and resistance against corrosive fluids even at high temperatures
- Internal diameters from 3.2mm to 38.0mm
- Offers excellent resistance to aggressive fuels and chemicals
- High flame retardancy
- Meets MIL-DTL-23053/13 requirements

Technical information

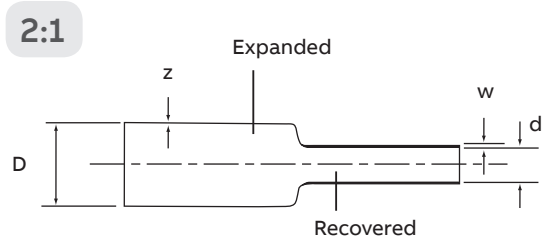
- Wall thickness: Thin
- Shrink ratio: 2:1
- Tube characteristics: Single wall
- Temperature range: -55°C to +220°C
- Shrinking temperature: +175°C
- Material: Viton®*, Crosslinked fluoroelastomer
- IP rating: IP60
- Standard colour: Black
- Other properties: Silicone, Cadmium and Lead free

*Viton® is a registered trademark of DuPont.

Type VIT – Highly flexible, flame retardant

Product ref.	Expanded diameter as supplied D		Fully recovered diameter d (mm)	Wall thickness before shrinking z (mm)	Wall thickness after shrinking w (mm)	Length per reel (m)	Quantity per box (pieces 0.6m)
	(in)	(mm)					
VIT125-0-B	1/8	3.2	1.6	0.40	0.8	50	–
VIT187-0-B	3/16	4.8	2.4	0.45	0.9	50	–
VIT250-0-B	1/4	6.4	3.2	0.45	0.9	50	–
VIT375-0-B	3/8	9.5	4.8	0.45	1.0	50	–
VIT500-0-B	1/2	12.7	6.4	0.45	1.2	30	–
VIT750-0-B	3/4	19.0	9.5	0.55	1.4	30	–
VIT1000-0-B	1	25.4	12.7	0.70	1.8	30	–
VIT1500-0-B	1 1/2	38.0	19.0	0.80	2.4	15	–
VIT125-0-C	1/8	3.2	1.6	0.40	0.8	–	10
VIT187-0-C	3/16	4.8	2.4	0.45	0.9	–	10
VIT250-0-C	1/4	6.4	3.2	0.45	0.9	–	10
VIT375-0-C	3/8	9.5	4.8	0.45	1.0	–	8
VIT500-0-C	1/2	12.7	6.4	0.45	1.2	–	7
VIT750-0-C	3/4	19.0	9.5	0.55	1.4	–	6
VIT1000-0-C	1	25.4	12.7	0.70	1.8	–	4
VIT1500-0-C	1 1/2	38.0	19.0	0.80	2.4	–	3

Dimensions



Shrink-Kon® – Medium wall heat shrink tubing

Type TBM – Rated for 600V, 90°C continuous use



Characteristics

- High flexibility makes it suitable even under heavy-duty conditions e.g. sensors in vehicle engine compartments
- Excellent strength and resistance against corrosive fluids even at high temperatures
- Internal diameters from 10.2mm to 228.6mm
- Offers excellent resistance to aggressive fuels and chemicals
- High flame retardancy
- Meets MIL-DTL-23053/13 requirements

Technical information

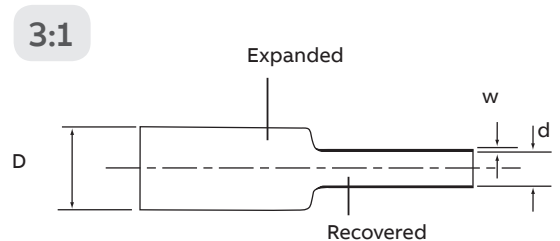
- Wall thickness: Medium
- Shrink ratio: 3:1
- Tube characteristics: Dual wall
- Temperature range: -55°C to +110°C
- Shrinking temperature: +120°C
- Material: Crosslinked polyolefin with thermoplastic adhesive liner
- IP rating: IP67
- Standard colour: Black
- Other properties: Silicone, Halogen, Cadmium and Lead free

Type TBM – Rated for 600V, 90°C continuous use

Product ref.	Expanded diameter as supplied D		Fully recovered diameter d (mm)	Wall thickness after shrinking w (mm)	Length per bag (m)	Quantity per bag (pieces 1.22m)
	(in)	(mm)				
TBM0400	0.40	10.2	3.8	2.0	6.1	5
TBM0750	0.751	19.1	5.6	2.0	6.1	5
TBM0950	0.984	25.0	8.0	2.0	3.6	3
TBM1100	1.098	27.9	10.2	2.0	3.6	3
TBM1500	1.50	38.1	12.7	2.0	2.4	2
TBM2050	2.05	52.1	19.1	2.0	1.2	1
TBM2750	2.75	69.9	25.4	2.0	1.2	1
TBM3500	3.50	88.9	30.0	2.4	1.2	1
TBM4700	4.70	119.4	39.9	2.7	1.2	1
TBM6700	6.70	170.2	58.4	2.8	1.2	1
TBM9000	9.00	228.6	77.0	3.0	1.2	1

Do not stock at temperatures over 40°C. Do not expose directly to sun rays for long periods.

Dimensions



Shrink-Kon® – Thick wall heat shrink tubing

Type TBW – Rated for 600V, 90°C continuous use



Characteristics

- TBW is an excellent product for sealing and insulating cable splices, connections, terminations and jacket repairs
- The tubing is designed to withstand the severe mechanical requirements of submersible and direct-buried installations
- Low voltage power applications 600V
- High resistance to abrasion, corrosion and chemicals
- Excellent weatherability
- 9 standard sizes in thick wall: internal diameters from 8.9mm to 119.9mm
- Meets requirements of ESI 09-11

Technical information

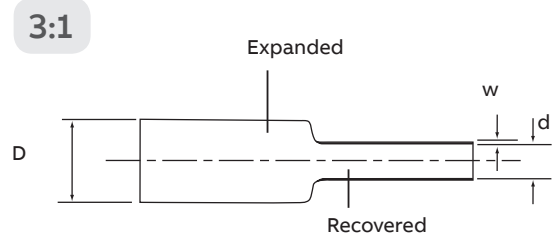
- Wall thickness: Thick
- Shrink ratio: 3:1
- Tube characteristics: Dual wall
- Temperature range: -55°C to +110°C
- Shrinking temperature: +120°C
- Material: Crosslinked polyolefin with thermoplastic adhesive liner
- IP rating: IP67
- Standard colour: Black
- Other properties: Silicone, Halogen, Cadmium and Lead free

Type TBW – rated for 600V, 90°C continuous use

Product ref.	Expanded diameter as supplied D		Fully recovered diameter d (mm)	Wall thickness after shrinking w (mm)	Length per bag (m)	Quantity per bag (pieces 1.22m)
	(in)	(mm)				
TBW0350	0.350	8.9	3.0	1.8	6.1	5
TBW0500	0.512	13.0	4.1	2.4	6.1	5
TBW0750	0.751	19.1	6.1	2.4	6.1	5
TBW1100	1.098	27.9	8.9	3.0	2.4	2
TBW1500	1.500	38.1	11.9	4.1	2.4	2
TBW2000	2.000	50.8	16.0	4.1	1.2	1
TBW2700	2.681	68.1	22.1	4.1	1.2	1
TBW3500	3.539	89.9	30.0	4.1	1.2	1
TBW4700	4.720	119.9	39.9	4.3	1.2	1

Do not stock at temperatures over 40°C. Do not expose directly to sun rays for long periods.

Dimensions



Shrink-Kon® – Medium and thick wall heat shrink tubing

Low voltage kits up to 600V



Characteristics

- VMS heat shrinkable sleeves (TBM and TBW) are suitable for jointing multi-core, polymeric insulated energy cables in the low voltage range
- Quick, simple installation
- Exceptionally good electrical insulation and environmental protection
- Good mechanical load-bearing ability
- No maintenance time necessary
- Unlimited storage life
- Tested to DIN 47632 / VDE 0278 Part 1 and 3

Technical information

- Wall thickness: Medium (TBM) and thick (TBW)
- Shrink ratio: 3:1
- Tube characteristics: Dual wall
- Temperature range: -55°C to +110°C
- Shrinking temperature: +120°C
- Material: Crosslinked polyolefin with thermoplastic adhesive liner
- IP rating: IP67
- Standard colour: Black
- Other properties: Silicone and Halogen free

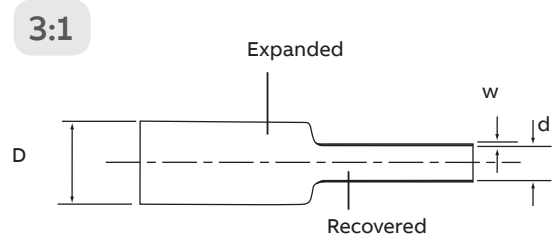
Standard Content

- 1 Outer sleeve (TBW)
- 4 Inner sleeves (TBM) for VMS2 to VMS9, 5 inner sleeves for VMS1
- Cleaning cloths
- Abrasive cloth
- Installation instructions

Low voltage kits up to 600V

Product ref.	Wire range (mm ²)	Inner sleeve (pieces)	Shrinkages			Outer sleeve (pieces)	Shrinkages			Content per kit
			Expanded D (mm)	Recovered d (mm)	Length (mm)		Expanded D (mm)	Recovered d (mm)	Length (mm)	
VMS1	1.5 - 6	5	12	3	50	1	33	8	200	
VMS2	4 - 16	4	15	4	100	1	45	12	370	
VMS3	16 - 35	4	22	6	100	1	55	16	370	
VMS6	25 - 50	4	22	6	130	1	75	21	440	
VMS7	35 - 150	4	33	8	210	1	105	26	800	
VMS8	95 - 240	4	45	12	260	1	130	36	950	
VMS9	185 - 300	4	55	16	300	1	130	36	1000	

Dimensions



Shrink-Kon® – Medium and thick wall heat shrink tubing

Type TEB – Cable breakouts



Characteristics

- Cable breakouts are designed for the insulation and sealing of cable crutches
- They offer extreme strain relief and mechanical protection
- Adhesive line provides complete sealing
- UV-resistant
- They also provide good insulation and resistance to common fluids and solvents

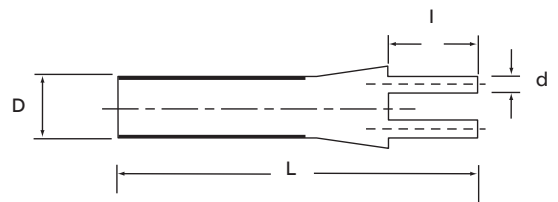
Technical information

- Wall thickness: Medium and thick
- Shrink ratio: Various
- Tube characteristics: Dual wall
- Temperature range: -55°C to +100°C
- Shrinking temperature: +135°C
- Material: Crosslinked polyolefin with thermoplastic adhesive liner
- IP rating: IP67
- Standard colour: Black
- Other properties: Silicone, Halogen, Cadmium and Lead free

Type TEB – cable breakouts

Product ref.	Expanded diameter as supplied		Fully recovered diameter		Cable size (mm)	Core Ø range (mm)	Overall Ø range (mm)	Recovered finger length L (mm)	Recovered finger length I (mm)	Number of breakouts	Quantity (pieces)
	Expanded D (mm)	Recovered (mm)	Expanded D (mm)	Recovered (mm)							
TEB2 2-BREAKOUTS											
TEB2-33/14	33	10.0	14	3.0	-	-	-	90.0	20.0	2	12
TEB2-50/21	50	22.0	21	6.7	-	-	-	119.0	35.0	2	10
TEB3 3-BREAKOUTS											
TEB3-38/11	38	14.0	11	4.0	10 - 25	5.1 - 7.7	16.5 - 22.0	110.0	20.0	3	10
TEB3-60/24	60	22.0	24	8.0	35 - 70	8.8 - 12.0	24.5 - 32.0	185.0	45.0	3	10
TEB3-80/36	80	33.0	36	16.0	95 - 150	13.7 - 17.0	36.0 - 44.0	210.0	50.0	3	10
TEB3-110/48	110	47.0	48	20.0	185 - 300	17.0 - 24.3	49.0 - 62.0	260.0	75.0	3	10
TEB4 4-BREAKOUTS											
TEB4-38/15	38	14.0	15	3.0	10 - 25	5.1 - 7.7	17.5 - 24.5	105.0	20.0	4	10
TEB4-55/20	55	25.0	20	6.0	35 - 50	8.8 - 10.0	27.0 - 31.0	180.0	45.0	4	10
TEB4-72/25	72	22.0	25	8.5	35 - 70	8.8 - 12.0	27.0 - 35.5	190.0	45.0	4	10
TEB4-100/35	100	33.0	35	14.0	95 - 150	13.7 - 17.0	40.0 - 49.0	215.0	50.0	4	10
TEB4-125/45	125	47.0	45	22.0	185 - 400	19.2 - 27.4	54.5 - 69.0	245.0	72.0	4	10

Dimensions



Shrink-Kon® – Medium and thick wall heat shrink tubing

Type TEC – End caps



Characteristics

- End caps are designed to seal and to protect cable-ends against the ingress of moisture and contamination
- They offer extreme strain relief and mechanical protection
- Adhesive line provides complete sealing
- They also provide optimal sealing and resistance to chemicals and solvents
- UV-resistant

Technical information

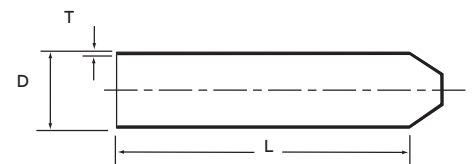
- Wall thickness: Medium and thick
- Shrink ratio: > 2:1
- Tube characteristics: Dual wall
- Temperature range: -55°C to +100°C
- Shrinking temperature: +120°C
- Material: Crosslinked polyolefin with thermoplastic adhesive liner
- IP rating: IP67
- Standard colour: Black
- Other properties: Silicone, Halogen, Cadmium and Lead free

Type TEC – End caps

Product ref.	Expanded diameter as supplied (mm)	Fully recovered diameter D (mm)	Recovered length L (mm)	Wall thickness after shrinking T (mm)	Cable diameter (mm ²)	Quantity (pieces)
TEC15/4.5	15.0	4.5	45.0	2.0	5 - 12	100
TEC25/9	25.0	9.0	70.0	2.7	10 - 22	50
TEC36/15	36.0	15.0	95.0	2.8	17 - 30	10
TEC63/24	63.0	24.0	110.0	3.6	28 - 55	10
TEC80/40	80.0	40.0	130.0	3.6	45 - 70	10
TEC102/60	102.0	60.0	152.0	3.6	68 - 90	5
TEC124/60	124.0	60.0	152.0	3.6	75 - 110	5

Dimensions

>2:1



Shrink-Kon® – Heat shrink technologies

TBTA-ZH – Self amalgamating tape



Characteristics

- Self amalgamating tape
- ABB TBTA-ZH tape provides a thick insulating layer with flawless electrical stability and a long term resistance to moisture penetration, which demands waterproofing
- To repair and maintain cable sleeving up to 30 Kv
- For installations, where open flame and heat may not be used
- Excellent resistance to UV rays and Ozone
- Easy to apply – no tools or heating required
- Excellent protection at low temperatures

TBTA-ZH must be stretched on application for the self-adhesive properties to be activated.

Installation notes

1. The surface of the connection and the cable entry must be clean
2. TBTA-ZH should be used under high tension as the stretching process activates the adhesive
3. By wrapping the TBTA-ZH tape around the cable, a sealed casing is created
4. If a cable or pipe needs protection, the TBTA-ZH tape should be wrapped around itself twice at the beginning point and then should overlap throughout by 50%. This means that the tape will also stretch when the cable is under tension
5. Finally, the surface (see point 4) should be covered once more using 100% tape overlap
6. At the end, the tape should be held at the overlap point and torn off
7. To conclude the installation, the ripped off end should be pressed firmly to close.

Technical information

- Stretch ratio: 3:1
- Temperature range: -55°C to +105°C
- Material: EPR based tape
- IP rating: IP67
- Standard colour: Black
- Other properties: Silicone, Halogen, Cadmium and Lead free

TBTA-ZH – Self amalgamating tape

Product ref.	Roll length (m)	Width (mm)	Thickness (mm)
TBTA-ZH-19	9.0	19	0.76
TBTA-ZH-25	9.0	25	0.76
TBTA-ZH-38	9.0	38	0.76
TBTA-ZH-51	9.0	51	0.76

3:1

Shrink-Kon® – Heat shrink technologies

Hot air tool



Characteristics

- The hot air tool from ABB achieves a rapid shrink action. This tool is ideal for industrial and military applications.

Technical information

- Property: Typical performance
- Power Consumption: 1400W
- Temperature: +350°C to +500°C
- Air Flow: 350 / 500 l/min
- Static pressure max.: 1250 Pa
- Weight: 570 g
- Electronics: Flicker-conformity

Hot air tool

Product ref.	Description
GR121	Hot Air Tool (European Plug and WT993GR nozzle)
GR321	Hot Air Tool (UK Plug and WT993GR nozzle)
WT992GR	Wide slot nozzle
WT993GR	Reflector nozzle
WT994GR	Reduction nozzle Ø 20mm
WT995GR	Welding nozzle
WT996GR	Overlap welding nozzle
WT999GR	Glass protection nozzle

01 WT992GR

02 WT993GR

03 WT994GR

04 WT995GR

05 WT996GR

06 WT999GR



01



02



03



04



05



06

Shrink-Kon® – Heat shrink technologies

Technical Information

Technical Information

Product name	Material	Mechanical behaviour	Operating temp.	Shrink ratio	Expanded diameter	Silicon free	Cadmium + lead free	Non halogen
Test method								
PLG	PE-Polyolefin	Flexible	-55°C to +135°C	2:1	1.2-101.6mm / 3/64"-4"	Yes	Yes	No*
CMP	PE-Polyolefin	Flexible	-55°C to +135°C	2:1	1.2-51.0mm / 3/64"-2"	Yes	Yes	No*
MLP	PE-Polyolefin	Flexible	-55°C to +135°C	2:1	1.2-25.4mm / 3/64"-1"	Yes	Yes	No*
GYS	PE-Polyolefin	Flexible	-55°C to +135°C	2:1	3.2-25.4mm / 1/8"-1"	Yes	Yes	No
PIG	PE-Polyolefin	Very flexible	-55°C to +135°C	3:1	1.6-39.0mm / 1/16"-1 1/2"	Yes	Yes	No
PIG green yellow	PE-Polyolefin	Very flexible	-55°C to +135°C	3:1	4.5-40.0mm / 3/16"-1 1/2"	Yes	Yes	No
PIG clear	PE-Polyolefin	Very flexible	-55°C to +135°C	3:1	1.6-40.0mm / 1/16"-1 1/2"	Yes	Yes	Yes
PKG	PE-Polyolefin	Flexible	-55°C to +110°C	3:1 / 4:1	3.0-52.0mm / 1/16"-2"	Yes	Yes	No
KYN	Kynar** PVDF	Semi-rigid	-55°C to +175°C	2:1	1.2-25.4mm / 3/64"-1"	Yes	Yes	No
VIT	Viton***	Flexible	-55°C to +220°C	2:1	3.2-38.0mm / 1/8"-1 1/2"	Yes	Yes	No
TBM	PE-Polyolefin	Semi-rigid	-55°C to +110°C	3:1	10.2-228.6mm	Yes	Yes	Yes
TBW	PE-Polyolefin	Semi-rigid	-55°C to +110°C	3:1	8.9-119.9mm	Yes	Yes	Yes
LV-Kit	PE-Polyolefin	Semi-rigid	-55°C to +110°C	3:1	various	Yes	Yes	Yes
TEB	PE-Polyolefin	Semi-rigid	-55°C to +100°C	various	30.0-125.0mm	Yes	Yes	Yes
TEC	PE-Polyolefin	Semi-rigid	-55°C to +100°C	various	15.0-148.0mm	Yes	Yes	Yes
TBTA-ZH	EPR-Tape	Flexible	-55°C to +105°C	1:3	19.0-51.0mm	Yes	Yes	Yes

Product name	Tensile strength	Secant modulus	Tensile strength after heat aging	Elongation after heat aging	Low temp. flexibility
Test method					
	IEC 60684-2 ⁽⁶⁾	ASTM-D 882 ⁽¹⁰⁾	UL 224 ⁽¹¹⁾	UL 224 ⁽¹¹⁾ , ISO 37 ⁽¹³⁾	ASTM-D 2671 Meth. C ⁽²⁷⁾
	ISO 37 ⁽⁷⁾	Def Stan 59-97 ⁽³¹⁾	ASTM-D 2671 ⁽³⁾	ASTM-D 2671 ⁽³⁾	
	ASTM-D412 ⁽⁸⁾		IEC811-1-2 ⁽⁴⁾	IEC811-1-2 ⁽⁴⁾	
	ASTM-D 638M ⁽⁹⁾		ISO-188 ⁽¹²⁾	ISO-188 ⁽¹²⁾	
	Def Stan 59-97 ⁽³¹⁾		ASTM-D 638 ⁽⁹⁾	ASTM-D 638 ⁽⁹⁾	
PLG	15 MPa ⁽⁶⁾	175 MPa max. ⁽¹⁰⁾	12 MPa / 168h at 158°C ⁽¹¹⁾	300% / 168h at 158°C ⁽¹¹⁾	Does not break at -55°C ⁽²⁷⁾
CMP	15 MPa ⁽⁶⁾	175 MPa max. ⁽¹⁰⁾	12 MPa / 168h at 158°C ⁽¹¹⁾	300% / 168h at 158°C ⁽¹¹⁾	Does not break at -55°C ⁽²⁷⁾
MLP	17 MPa ⁽⁶⁾	175 MPa max. ⁽¹⁰⁾	13 MPa / 168h at 175°C ⁽³⁾	300% / 168h at 175°C ⁽³⁾	Does not break at -55°C ⁽²⁷⁾
GYS	15 MPa ⁽⁶⁾	175 MPa max. ⁽¹⁰⁾	12 MPa / 168h at 175°C ⁽¹¹⁾	300% / 168h at 175°C ⁽¹¹⁾	Does not break at -55°C ⁽²⁷⁾
PIG	17 MPa ⁽⁶⁾	175 MPa max. ⁽¹⁰⁾	13 MPa / 168h at 175°C ⁽³⁾	300% / 168h at 175°C ⁽³⁾	Does not break at -55°C ⁽²⁷⁾
PIG green yellow	15 MPa ⁽⁶⁾	175 MPa max. ⁽¹⁰⁾	12 MPa / 168h at 175°C ⁽¹¹⁾	300% / 168h at 175°C ⁽¹¹⁾	Does not break at -55°C ⁽²⁷⁾
PIG clear	20 MPa ⁽⁶⁾	175 MPa max. ⁽¹⁰⁾	18 MPa / 168h at 175°C ⁽³⁾	500% / 168h at 175°C ⁽³⁾	Does not break at -55°C ⁽²⁷⁾
PKG	15 MPa ⁽⁶⁾	175 MPa max.	12 MPa / 168h at 158°C ⁽⁴⁾	320% / 168h at 158°C ⁽⁴⁾	Does not break at -55°C ⁽²⁷⁾
KYN	50 MPa ⁽⁶⁾	750 MPa max. ⁽¹⁰⁾	40 MPa / 168h at 158°C ⁽⁴⁾	230% / 168h at 158°C ⁽⁴⁾	Does not break at -55°C ⁽²⁷⁾
VIT	18 MPa ⁽⁶⁾	70 MPa max. ⁽¹⁰⁾	14 MPa / 168h at 158°C ⁽⁴⁾	220% / 168h at 158°C ⁽⁴⁾	Does not break at -55°C ⁽²⁷⁾
TBM	14.5 MPa ⁽⁷⁾⁽⁸⁾	90MPa ⁽³¹⁾	12MPa ⁽³⁾⁽⁹⁾	500% / 168h at 150°C ⁽³⁾⁽¹³⁾	Does not break at -55°C ⁽²⁷⁾
TBW	14.5 MPa ⁽⁷⁾⁽⁸⁾	90MPa ⁽³¹⁾	-/-	500% / 168h at 150°C ⁽³⁾⁽¹³⁾	Does not break at -55°C ⁽²⁷⁾
LV-Kit	-/-	90MPa ⁽³¹⁾	12MPa ⁽³⁾⁽⁹⁾	500% ⁽³⁾⁽⁹⁾	Does not break at -55°C
TEB	10 MPa ⁽⁹⁾	80MPa ⁽³¹⁾	9 MPa / 168h at 120°C ⁽¹²⁾	250% / 168h at 120°C ⁽¹²⁾	-55°C
TEC	12 MPa ⁽⁹⁾	80MPa ⁽³¹⁾	10 MPa / 168h at 120°C ⁽¹²⁾	250% / 168h at 120°C ⁽¹²⁾	-55°C ⁽²⁷⁾
TBTA-ZH	2.5 MPa ⁽³¹⁾	-/-	-/-	n.a.	-/-

* Transparent version is halogen free

** Kynar is a registered trademark of ATOFINA

*** VITON is a registered trademark of DuPont

**** Except transparent version

***** Outer Jacket only

Spec. gravity	Longitudinal shrinkage	Tensile Strength after heatshock	Elongation after heatshock	Ultimate elongation
ASTM-D 792	ASTM-D 2671 ⁽³⁾	IEC 811-1-2 ⁽⁴⁾	IEC844-1-2 ⁽⁴⁾	
ISO/R 1183 ⁽²⁾		IEC 811-1-3 ⁽⁵⁾	ASTM-D 2671 ⁽³⁾	
DEF Stan 59-97 ⁽¹⁾		ASTM-D 2671 ⁽³⁾	ASTM-D 638 ⁽⁹⁾	
A-I ⁽¹⁾		ASTM-D 638 ⁽⁹⁾		
1.3g / cm ³ ⁽¹⁾	-10% ⁽³⁾	13 MPa / 4h at 200°C ⁽⁴⁾	400% / 4h at 200°C ⁽⁴⁾	450%
1.3g / cm ³ ⁽¹⁾	-10% ⁽³⁾	13 MPa / 4h at 200°C ⁽⁴⁾	400% / 4h at 200°C ⁽⁴⁾	450%
1.3g / cm ³ ⁽¹⁾	-5% ⁽³⁾	19 MPa / 4h at 250°C ⁽⁵⁾	No cracking or flowing ⁽³⁾	500%
1.3g / cm ³ ⁽¹⁾	-10% ⁽³⁾	14 MPa / 4h at 200°C ⁽⁴⁾	400% / 4h at 200°C ⁽⁴⁾	450%
1.3g / cm ³ ⁽¹⁾	-5% ⁽³⁾	19 MPa / 4h at 250°C ⁽⁵⁾	No cracking or flowing ⁽³⁾	500%
1.3g / cm ³ ⁽¹⁾	-10% ⁽³⁾	14 MPa / 4h at 200°C ⁽⁴⁾	400% / 4h at 200°C ⁽⁴⁾	450%
1.0g / cm ³ ⁽¹⁾	-5% ⁽³⁾	15 MPa / 4h at 250°C ⁽⁵⁾	No cracking or flowing ⁽³⁾	550%
1.3g / cm ³ ⁽¹⁾	-15%(3:1) ⁽³⁾ / -18%(4:1) ⁽³⁾	15 MPa / 4h at 200°C ⁽⁴⁾	360% / 4h at 200°C ⁽⁴⁾	400%
1.8g / cm ³ ⁽¹⁾	-6% ⁽³⁾	48 MPa / 4h at 250°C ⁽⁴⁾	300% / 4h at 250°C ⁽⁴⁾	450%
1.9g / cm ³ ⁽¹⁾	-10% ⁽³⁾	17 MPa / 4h at 300°C ⁽⁴⁾	250% / 4h at 300°C ⁽⁴⁾	520%
1.10g / cm ³ ⁽¹⁾	+1% to -10% ⁽³⁾	4h at 225°C	No cracking or flowing ⁽³⁾	600%
1.10g / cm ³ ⁽¹⁾	+1% to -10%	4h at 225°C	No cracking or flowing ⁽³⁾	550%
1.10g / cm ³	+1% to -10%	4h at 225°C	No cracking or flowing	-/-
1.10g / cm ³	-15%	6MPa ⁽³⁾ ⁽⁹⁾	200% ⁽³⁾ ⁽⁹⁾	300%
1.10g / cm ³	-15%	6MPa ⁽³⁾ ⁽⁹⁾	200% ⁽³⁾ ⁽⁹⁾	300%
-/-	-/-	-/-	-/-	750%

Combustion behaviour / Flammability	Shrink temp.	Storage temp.	Resistance against Chemicals	Water absorption	Fungus resistance	Dielectric strength	Spec. volume resistance
UL 224 VW-1 ⁽¹¹⁾ , UL 224 ⁽¹⁴⁾				VDE 0472 ⁽¹⁹⁾		IEC-243 ⁽²⁴⁾	
ASTM-D 876 ⁽¹⁵⁾ , ASTM-D 635 ⁽¹⁶⁾				ISO-62 ⁽²⁰⁾		VDE 0303 Part 2 ⁽²⁵⁾	
FMVSS 302 ⁽¹⁷⁾ , ESI 09-13 ⁽¹⁸⁾				ASTM-D 570 ⁽²¹⁾		ASTM-D 149 ⁽²⁸⁾	
ASTM-D 257 ⁽³²⁾				Def Stan 59-97 ⁽³¹⁾		Def Stan 59-97 ⁽³¹⁾	
ASTM-D 267 Proc. A ⁽³³⁾							
Flame retardant**** ⁽¹⁴⁾ ⁽¹⁷⁾	+110°C	+30°C	Good	0.3% ⁽¹⁹⁾	Very good	24kV / mm ⁽²⁵⁾	10.15 Ohm x cm
Flame retardant**** ⁽¹⁴⁾ ⁽¹⁷⁾	+110°C	+30°C	Good	0.3% ⁽¹⁹⁾	Very good	24kV / mm ⁽²⁵⁾	10.15 Ohm x cm
Flame retardant**** ⁽¹⁴⁾ ⁽¹⁷⁾	+90°C	+30°C	Good	0.2% ⁽¹⁹⁾	Very good	24kV / mm ⁽²⁵⁾	10.16 Ohm x cm
Flame retardant**** ⁽¹⁴⁾	+90°C	+30°C	Good	0.2% ⁽¹⁹⁾	Very good	24kV / mm ⁽²⁵⁾	10.16 Ohm x cm
Flame retardant**** ⁽¹⁴⁾ ⁽¹⁷⁾	+90°C	+30°C	Good	0.2% ⁽¹⁹⁾	Very good	24kV / mm ⁽²⁵⁾	10.16 Ohm x cm
Flame retardant**** ⁽¹⁴⁾	+90°C	+30°C	Good	0.2% ⁽¹⁹⁾	Very good	24kV / mm ⁽²⁵⁾	10.16 Ohm x cm
Passed per FMVSS 302 ⁽¹⁴⁾ ⁽¹⁷⁾	+90°C	+30°C	Good	0.2% ⁽¹⁹⁾	Very good	24kV / mm ⁽²⁵⁾	10.16 Ohm x cm
Flame retardant**** ⁽¹⁵⁾ ⁽¹⁷⁾	+95°C	+30°C	Good	0.2% ⁽¹⁹⁾	Very good	22kV / mm ⁽²⁵⁾	10.14 Ohm x cm
Flame retardant ⁽¹¹⁾	+175°C	+30°C	Very good	0.07% ⁽¹⁹⁾	Very good	31.5kV / mm ⁽²⁵⁾	10.13 Ohm x cm
Flame retardant ⁽³³⁾	+175°C	+30°C	Very good	0.2% ⁽¹⁹⁾	Very good	16kV / mm ⁽²⁵⁾	10.13 Ohm x cm
Non Flame retardant	+120°C	+30°C	Good	0.2% ⁽²¹⁾	Very good	20kV / mm ⁽²⁴⁾ ⁽²⁸⁾	10.16 Ohm x cm
Non Flame retardant	+120°C	+30°C	Good	0.2% ⁽²¹⁾	Very good	20kV / mm ⁽²⁸⁾	10.16 Ohm x cm
Non Flame retardant	+120°C	+30°C	Good	0.2%	Very good	20kV / mm	10.16 Ohm x cm
Non Flame retardant ⁽¹⁸⁾	+135°C	+30°C	Good	1% ⁽²⁰⁾	Very good	12kV / mm	10.11 Ohm x cm
Non Flame retardant	+120°C	+30°C	Good	1% ⁽²⁰⁾	Very good	12kV / mm ⁽²⁴⁾	10.12 Ohm x cm
Flame retardant	n.a.	+30°C	Good	0.06% ⁽³¹⁾	Very good	30kV / mm ⁽³¹⁾	n.a.

Appendix

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PLG125-0-10R	7TCA017300R0564	12	PLG750-0-B	7TCA017300R0781	11	VIT125-0-B		26
PLG125-0-A	7TCA017300R0565	10	PLG750-0-E	7TCA017300R0782	11	VIT125-0-C	7TCA017300R0860	26
PLG125-0-E	7TCA017300R0567	11	PLG750-6-10R	7TCA017300R0790	12	VIT1500-0-B		26
PLG125-4-10R	7TCA017300R0570	12	PLG93-0-5R	7TCA017300R0802	12	VIT1500-0-C	7TCA017300R0861	26
PLG125-9-10R	7TCA017300R0575	12	PLG93-0-A	7TCA017300R0803	10	VIT187-0-B		26
PLG125-C-10R	7TCA017300R0578	12	PLG93-0-E	7TCA017300R0805	11	VIT187-0-C	7TCA017300R0862	26
PLG1250-0-A	7TCA017300R0582	10	PLG93-C-5R	7TCA017300R0815	12	VIT250-0-B		26
PLG1250-0-B	7TCA017300R0583	11	TBM0400	7TCA017320R0035	27	VIT250-0-C	7TCA017300R0864	26
PLG1250-0-E	7TCA017300R0584	11	TBM0750	7TCA017410R0007	27	VIT375-0-B		26
PLG1500-0-A	7TCA017300R0591	10	TBM0950	7TCA017410R0008	27	VIT375-0-C	7TCA017300R0865	26
PLG1500-0-B	7TCA017300R0592	11	TBM1100	7TCA017410R0009	27	VIT500-0-B		26
PLG1500-0-E	7TCA017300R0593	11	TBM1500	7TCA017410R0012	27	VIT500-0-C	7TCA017300R0866	26
PLG187-0-10R	7TCA017300R0612	12	TBM2050	7TCA017410R0014	27	VIT750-0-B		26
PLG187-0-A	7TCA017300R0613	10	TBM2750	7TCA017410R0015	27	VIT750-0-C	7TCA017300R0867	26
PLG187-0-B	7TCA017300R0614	11	TBM3500	7TCA017410R0016	27	VMS1	7TCA017990R0024	29
PLG187-0-E	7TCA017300R0615	11	TBM4700	7TCA017410R0017	27	VMS2	7TCA017990R0025	29
PLG187-4-5R	7TCA017300R0619	12	TBM6700	7TCA017410R0019	27	VMS3	7TCA017990R0026	29
PLG187-6-5R	7TCA017300R0623	12	TBM9000	7TCA017410R0020	27	VMS6	7TCA017990R0027	29
PLG187-C-5R	7TCA017300R0630	12	TBTA-ZH-19	7TCA017990R0020	32	VMS7	7TCA017990R0028	29
PLG2000-0-A	7TCA017300R0633	10	TBTA-ZH-25	7TCA017990R0021	32	VMS8	7TCA017990R0029	29
PLG2000-0-B	7TCA017300R0634	11	TBTA-ZH-38	7TCA017990R0022	32	VMS9	7TCA017990R0030	29
PLG2000-0-E	7TCA017300R0635	11	TBTA-ZH-51	7TCA017990R0023	32	WT992GR	7TCA131140R0030	33
PLG250-0-10R	7TCA017300R0652	12	TBW0350	7TCA017400R0000	28	WT993GR	7TCA131140R0031	33
PLG250-0-A	7TCA017300R0653	10	TBW0500	7TCA017410R0022	28	WT994GR	7TCA131140R0032	33
PLG250-0-B	7TCA017300R0654	11	TBW0750	7TCA017410R0023	28	WT995GR	7TCA131140R0033	33
PLG250-0-E	7TCA017300R0655	11	TBW1100	7TCA017400R0001	28	WT996GR	7TCA131140R0034	33
PLG250-4-5R	7TCA017300R0661	12	TBW1500	7TCA017400R0002	28	WT999GR	7TCA131140R0035	33
PLG250-6-10R	7TCA017300R0665	12	TBW2000	7TCA017400R0003	28			
PLG250-9-5R	7TCA017300R0670	12	TBW2700	7TCA017400R0004	28			
PLG3000-0-A	7TCA017300R0676	10	TBW3500	7TCA017440R0001	28			
PLG3000-0-B	7TCA017300R0677	11	TBW4700	7TCA017400R0005	28			
PLG375-0-10R	7TCA017300R0692	12	TEB2-33/14	7TCA017450R0004	30			
PLG375-0-A	7TCA017300R0693	10	TEB2-50/21	7TCA017450R0003	30			
PLG375-0-B	7TCA017300R0694	11	TEB3-110/48	7TCA017450R0006	30			
PLG375-0-E	7TCA017300R0695	11	TEB3-38/11	7TCA017450R0008	30			
PLG375-6-10R	7TCA017300R0703	12	TEB3-60/24	7TCA017450R0009	30			
PLG4000-0-A	7TCA017300R0714	10	TEB3-80/36	7TCA017450R0010	30			

Additional information

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