

DERAY®-ECONBOX

Economical, non self-extinguishing,
halogen free heat shrink tubing

Features

- Flexible
- Halogen free alternative to PVC
- Continuous Operating
Temperature: -55°C to $+105^{\circ}\text{C}$
- Shrink Temperature: 125°C



Dimensions

SIZE	EXPANDED		RECOVERED		DELIVERY UNITS	
	INTERNAL DIAMETER (MIN)		INTERNAL DIAMETER (MAX)	WALL THICKNESS (NOM)	quantity of one box	MOQ
	D	D	D	w		
mm	IN	mm	mm	m	pcs.	
ECO-16	1,6	1/16	0,8	0,4	15	10
ECO-24	2,4	3/32	1,2	0,5	13	10
ECO-32	3,2	1/8	1,6	0,5	12	10
ECO-48	4,8	3/16	2,4	0,5	11	10
ECO-64	6,4	1/4	3,2	0,6	10	10
ECO-95	9,5	3/8	4,8	0,6	7	10
ECO-127	12,7	1/2	6,4	0,6	6	10
ECO-190	19,0	3/4	9,5	0,8	5	10
ECO-254	25,4	1	12,7	0,9	4	10

Technical Data

Physical


Property	Test Method	Typical Performance
Tesile Strength	IEC 60684-2	17,0 MPa
Elongation	IEC 60684-2	500%
Longitudinal Change	ASTM-D 2671	6% max.
Secant Modulus	ASTM-D 882	170 MPa max.
Specific Gravity	ASTM-D 792, A-I	0,95 g/cm ³
Elongation after Heat Aging (168 hrs at 150°C)	IEC 811-1-2	470%
Tensile Strength after Heat Aging (168 hrs at 158°C)	IEC 811-1-2	16 MPa
Elongation after Heat Shock (4 hrs at 200°C)	IEC 811-1-2	480%
Tensile Strength after Heat Shock (4 hrs at 200°C)	IEC 811-1-2	16 MPa
Low Temperature Flexibility	ASTM-D 2671 Meth. C	does not break at -55°C
Fammability	FMVSS302	passed

Electrical

Property	Test Method	Typical Performance
Dielectric Strength	VDE 0303 Part 2	20 kV/mm
Volume Resistivity	VDE 0303 Part 3	10 ¹⁴ Ω x cm

Chemical

Property	Test Method	Typical Performance
Corrosive Action	ASTM-D 2671 Meth. A	non-corrosive
Copper Compatibility	ASTM-D 2671 Meth. B	non-corrosive
Chemical Resistance		good
Water Absorption	VDE 0472	0,30%

Colours
black


Printability	Hot stamp	Ink jet	Offset
	Very good	good	good