



FKM 75 ShA Rubber Cord

Viton / FKM / Fluorocarbon

FKM cord has excellent chemical resistance and can be used at temperature range of between - 15°C and 200°C. Although generally more expensive than NBR (Nitrile) Cord, FKM has found wide acceptance in the aircraft, automotive and chemical industries. The terms FPM, FKM and Viton® can lead to incorrect interpretations. These designations stand for one single base material: fluorocarbon rubber. Viton® however is the registered trademark of the Chemours company.

Colour: Black

Operating temperature range: -15°C to 200°C

Physical Property	Test Method	Units	Typical Values
Hardness	ASTM D 2240	ShA	79
Tensile Strength	ASTM D 412	MPa	14
Elongation	ASTM D 412	%	175
Specific Gravity	ASTM D 297	g/cm ³	1.85
Compression Set 22h / 200°C	ASTM D 395 B	%	22
Low Temperature Resistance	ASTM D 2137 – TR10	°C	-17

Aging Property	Test Method	Time (h)	Temperature (°C)	Hardness (ShA)	Tensile Strength (%)	Ultimate Elongation (%)	Volume (%)
Air	ASTM D 573	70	250	1	-13	-2	-
ASTM 101 Service Liquid	ASTM D 471	70	200	-10	-15	-6	13
ASTM Fuel C	ASTM D 471	70	23	-4	-21	-7	4

Please see page 2 for further details and article numbers.

Chemical resistance

- Mineral oil and grease, ASTM oil No. 1, and IRM 902 and IRM 903 oils
- Non-flammable hydraulic fluids (HFD)
- Silicone oil and grease
- Mineral and vegetable oil and grease
- Aliphatic hydrocarbons (butane, propane, natural gas)
- Aromatic hydrocarbons (benzene, toluene)
- Chlorinated hydrocarbons (trichloroethylene and carbon tetrachloride)
- Gasoline (including high alcohol content)
- High vacuum
- Very good ozone, weather and aging resistance

Not compatible with:

- Glycol based brake fluids
- Ammonia gas, amines, alkalis
- Superheated steam
- Low molecular weight organic acids (formic and acetic acids)

MPN	Description	Length (m)	Diameter (mm)	Tolerance (mm)
2309692	FKM cord, 1.0 mm diameter 75 ShA	5	1.00	±0.40
2309691	FKM cord, 1.5mm diameter 75 ShA	5	1.50	±0.50
2309673	FKM cord, 1.78 mm diameter 75 ShA	5	1.78	±0.50
2309674	FKM cord, 2.0 mm diameter 75 ShA	5	2.00	±0.50
2309675	FKM cord, 2.5 mm diameter 75 ShA	5	2.50	±0.50
2309676	FKM cord, 2.62 mm diameter 75 ShA	5	2.62	±0.70
2309677	FKM cord, 3.53 mm diameter 75 ShA	5	3.53	±0.70
2309678	FKM cord, 4.0 mm diameter 75 ShA	5	4.00	±0.70
2309679	FKM cord, 4.5 mm diameter 75 ShA	5	4.50	±0.80
2309681	FKM cord, 5.0mm diameter 75 ShA	5	5.00	±0.80
2309693	FKM cord, 5.33 mm diameter 75 ShA	2	5.33	±0.80
2309682	FKM cord, 6.0 mm diameter 75 ShA	2	6.00	±0.80

2309683	FKM cord, 6.35 mm diameter 75 ShA	5	6.35	±1.00
2309684	FKM cord, 6.5mm diameter 75 ShA	2	6.50	±1.00
2309685	FKM cord, 7.0mm diameter 75 ShA	2	7.00	±1.00
2309686	FKM cord, 8.0 mm diameter 75 ShA	2	8.00	±1.00
2309687	FKM cord, 9.0 mm diameter 75 ShA	2	9.00	±1.00
2309688	FKM cord, 9.5 mm diameter 75 ShA	1	9.50	±1.00
2309689	FKM cord, 10.0mm diameter 75 ShA	2	10.00	±1.00
2309690	FKM cord, 14 mm diameter 75 ShA	1	14.00	±1.30