



FKM Technical Datasheet

Description

FKM is a fluoroelastomer sheet designed as a cost effective alternative to Viton®. It is typically used where resistance to high temperatures, chemicals and oils is required.

Application

FKM has good ozone resistance, and is suitable for mineral oils and greases, aliphatic, aromatic and also special chlorinated hydrocarbons, petrol, diesel fuels, silicone oils and greases. It has outstanding temperature resistance and can be used as an alternative to Nitrile (NBR) at higher temperatures and in outdoor sealing applications.

Typical Physical Properties

Polymer		FKM (<66% Fluorine)
Density (SG)	ASTM D2240	1.98g/cm ³ (+/-0.05)
Hardness	ASTM D2240	70° Shore A (+/-5)
Tensile Strength	ASTM D412	6 MPa
Compression Set	ASTM D395 B	50% (22hr @ 70°C)
Elongation at Break	ASTM 412	200%
Temperature Range		-30 to 210°C
Pressure		24 Bar Maximum

Note:

The above pressure rating is dependent on the operating temperature, and does not apply at the maximum temperature



Availability

Thickness	0.5mm to 25mm
Roll Width	1400mm
Roll Length	10m (0.5mm to 6mm thick) 5m (8mm to 25mm thick)
Colour	Black

A = Suitable subject to chemical compatibility
 B = Please contact our Technical Team
 C = Not Suitable

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