

Viton FKM Oil Seal 80 ShA

FPM / FKM / Viton® / Fluorocarbon Rubber

FKM has an excellent chemical resistance and can be used at temperature range of between -25°C and 180°C. Although generally more expensive than NBR (Nitrile) oil seals, Viton or FKM offers exceptional resistance to all lubrication oils, hydraulic fluids and grease with the exception of phosphoric ester.

Colour: Brown

Operating Temperature Range: -25 °C to 180 °C

Physical Property	Test Method	Units	Typical Values
Hardness	ASTM D 2240	Shore A	80 ±5
Tensile Strength	ASTM D 412 C	MPa	10.9
Elongation	ASTM D 412 C	%	230
Specific Gravity	ASTM D 297	g/cm ³	2.17
Compression Set 22h/175°C	ASTM D 395 B	%	19
Compression Set 70h/200°C	ASTM D 395 B	%	23
Low Temperature Resistance TR 10	ASTM D 1329	°C	-16

Aging Property	Test Method	Time (h)	Temperature (°C)	Hardness (ShA)	Tensile Strength (%)	Ultimate Elongation (%)	Volume (%)
Luft air	ASTM D 573	70	250	+3	+6	-10	
ASTM IRM oil 901	ASTM D 471	70	100	+1	-8	-3	-2
ASTM IRM oil 903	ASTM D 471	70	100	-4	-5	+3	+2

Although the technical details and recommendations made correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use Polymax products must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.
All sales subject to our standard terms www.polymax.co.uk/sales-terms