

ASTM D2000 M3 HK914 A1-10 B38 EO36 EF31 EO78

FKM (Viton) 90 ShA

FPM / FKM / Viton® / Fluorocarbon Rubber

Viton® O-rings have excellent chemical resistance and can be used at temperature range of between 15°C and 200°C. Although generally more expensive than NBR (Nitrile) O-rings, 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. Polymax is also able to supply specially compounded FKM O-rings meeting Norsok M710, FDA, USP Class VI, UL94 V0, EN549, Viton® A, B, G, GF, GLT, GFLT, ETP standards on special request. Please contact us for further information.

Colour: Black

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

Physical Property	Test Method	Units	Typical Values
Hardness	ASTM D 2240	Shore A	91
Tensile Strength	ASTM D 412	Mpa	14
Elongation	ASTM D 412	%	110
Specific Gravity		g/cm3	1.87 ±0.03
Compression Set 22h / 200°C	ASTM D 395 B	%	16

Aging Property	Test Method	Time (h)	Temperature (°C)	Hardness	Tensile Strength (%)	Ultimate Elongation (%)	Volume (%)
Air	ASTM D 573	70	250	1	-6	-10	
ASTM IRM Oil 903	ASTM D 471	70	150				3
ASTM 101 Service Liquid	ASTM D 471	70	200	-8	-16	-13	14
ASTM Fuel C	ASTM D 471	70	23	-5	-17	-18	3

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