

## 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	78
Tensile Strength	ASTM D 412 C	MPa	12.3
Elongation	ASTM D 412 C	%	201
Specific Gravity	ASTM D 297	g/cm3	2.19
Compression Set 22h/175°C	ASTM D 395 B	%	11
Tear Resistance	ASTM D 624 B	N/mm	31
Low Temperature Resistance	ASTM D 2137 A	°C	-25

Aging Property	Test Method	Time (h)	Temperature (°C)	Hardness (ShA)	Tensile Strength (%)	Ultimate Elongation (%)	Volume (%)
Air	ASTM D 573	70h	250°C	0	-4	-3	-2.5
Fluid 101	ASTM D 471	70h	200°C	-9	-22	8	9.8
Oil 7700	ASTM D 471	70h	200°C	-14	-21	-3	14.9
ASTM Fuel C	ASTM D 471	70h	23°C	-4	-10	6	4.1
ASTM Oil No. 1	ASTM D 471	70h	150°C	-2	1	-9	1.2
IRM Oil 903	ASTM D 471	70h	150°C	-2	-1	-7	1.5

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