

Precision Polymer V97B

Fluoroelastomer

Precision Polymer Engineering Ltd.

Message:

Fluoroelastomer Rubber, 90-98 °IRHD. Terpolymer of vinylidene fluoride, hexafluoropropylene and tetrafluoroethylene. To meet ASTM D2000 line call-out M3HK914, A1-10, B37, B38, EF31, EO78, Z1. Where Z1 = hardness 90-98. ASTM designation = FKM. ISO designation = FPM.

A hard, anti-extrusion resistant rubber, specially designed for use in high pressure applications. Excellent resistance to oils, fuels and hydraulic fluids at high temperature.

General Information			
Features	Fuel resistance		
	Heat resistance, high		
	Oil resistance		
Agency Ratings	ASTM D 2000		
Hardness	Nominal Value		Test Method
IRHD Hardness	95		ASTM D1415, ISO 48
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	15.0	MPa	ASTM D412, ISO 37
Tensile Elongation (Break)	100	%	ASTM D412, ISO 37
Compression Set (200°C, 24 hr)	25	%	ASTM D395, ISO 815
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (250°C, 72 hr)	-10	%	ASTM D412, ISO 37
Change in Ultimate Elongation in Air (250°C, 72 hr)	-10	%	ASTM D412, ISO 37
Change in IRHD Hardness in Air (250°C, 72 hr)	2.0		ASTM D573, ISO 188
Thermal	Nominal Value	Unit	
Maximum Operating Temperature	225	°C	
Additional Information			

Minimum Operating Temperature: -10°C (+14°F)

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