

# Precision Polymer V80B

Fluoroelastomer

Precision Polymer Engineering Ltd.

## Message:

Fluoroelastomer Rubber, 76-85 °IRHD. Copolymer of vinylidene fluoride and hexafluoropropylene. To meet ASTM D2000 line call-out:- M2HK810, A1-10, B37, B38, EF31, EO78, F15, Z1. Where Z1 = compression set 30% max. ASTM designation = FKM. ISO designation = FPM.

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	80		ASTM D1415, ISO 48
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	11.0	MPa	ASTM D412, ISO 37
Tensile Elongation (Break)	150	%	ASTM D412, ISO 37
Compression Set (200°C, 24 hr)	14	%	ASTM D395B, ISO 815
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (250°C, 72 hr)	-25	%	ASTM D412, ISO 37
Change in Ultimate Elongation in Air (250°C, 72 hr)	-25	%	ASTM D412, ISO 37
Change in IRHD Hardness in Air (250°C, 72 hr)	10		ASTM D573, ISO 188
Thermal	Nominal Value	Unit	
Maximum Operating Temperature	200	°C	
Additional Information			
Minimum Operating Temperature: -20°C (-4°F)			

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