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)			

Recommended distributors for this material

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