Precision Polymer V80H

Fluoroelastomer

Precision Polymer Engineering Ltd.

Message:

Fluoroelastomer Rubber, 75-85 °IRHD. Copolymer of vinylidene fluoride and hexafluoropropylene. Formulated using only those ingredients determined by the United States Federal Food and Drug Administration (FDA). Water and n-Hexane extraction tested in accordance with Code of Federal Regulations Title 21 (CFR21), Section 177.2600.
Excellent oil and heat resistance. For repeated use in equipment associated with the production of foodstuffs intended for human consumption. For use with aqueous or fatty foods.

General Information			
Features	Heat resistance, high Oil resistance Compliance of Food Exposure		
Agency Ratings	FDA 21 CFR 177.2600		
Hardness	**Nominal Value**		**Test Method**
IRHD Hardness	80		ASTM D1415, ISO 48
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	14.0	MPa	ASTM D412, ISO 37
Tensile Elongation (Break)	150	%	ASTM D412, ISO 37
Compression Set			
200°C, 22 hr	12	%	ASTM D395B
200°C, 22 hr [1]	12	%	ISO 815
Aging	**Nominal Value**	**Unit**	**Test Method**
Change in Tensile Strength in Air (250°C, 72 hr)	-30 - 30	%	ASTM D412, ISO 37
Change in Ultimate Elongation in Air (250°C, 72 hr)	-50	%	ASTM D412, ISO 37
Change in IRHD Hardness in Air (250°C, 72 hr)	-15 - 15		ASTM D573, ISO 188
Thermal	**Nominal Value**	**Unit**	
Maximum Operating Temperature	200	°C	
Additional Information			
Minimum Operating Temperature: -10°C (+14°F)			
NOTE			
1.	Type B		

Recommended distributors for this material

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