

Precision Polymer V77W

Fluoroelastomer

Precision Polymer Engineering Ltd.

Message:

Off-white Fluoroelastomer Rubber, 70-80 °IRHD. Copolymer of vinylidene fluoride and hexafluoropropylene. With additional anti friction agents. Formulated using only those ingredients determined by the United States Food and Drug Administration (FDA) Water and n-Hexane extraction tested in accordance with Code of Federal Regulations Title 21 (CFR21), Section 177.2600. Also complies to the requirements of USP 25, NF20, 2002, Class 6. Excellent resistance to oils, fuels and hydraulic fluids at high temperature.

General Information			
Features	Fuel resistance		
	Heat resistance, high		
	Oil resistance		
Agency Ratings	FDA 21 CFR 177.2600		
	USP XXV, Class VI		
Appearance	White-like		
Hardness	Nominal Value		Test Method
IRHD Hardness	73		ASTM D1415, ISO 48
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	9.00	MPa	ASTM D412, ISO 37
Tensile Elongation (Break)	220	%	ASTM D412, ISO 37
Compression Set (200°C, 22 hr)	17	%	ASTM D395, ISO 815
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (250°C, 72 hr)	-20	%	ASTM D412, ISO 37
Change in Ultimate Elongation in Air (250°C, 72 hr)	-20	%	ASTM D412, ISO 37
Change in IRHD Hardness in Air (250°C, 72 hr)	8.0		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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