

# Precision Polymer V60H

Fluoroelastomer

Precision Polymer Engineering Ltd.

## Message:

Fluoroelastomer Rubber, 60 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. ASTM designation = FKM. ISO designation = FPM.

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	60	ASTM D1415, ISO 48	
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	10.0	MPa	ASTM D412, ISO 37
Tensile Elongation (Break)	200	%	ASTM D412, ISO 37
Compression Set (200°C, 24 hr)	30	%	ASTM D395, 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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**Susheng Import & Export Trading Co.,Ltd.**

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

