

Precision Polymer F70A

Fluorosilicone

Precision Polymer Engineering Ltd.

Message:

Blue Fluorosilicone Rubber, 60 to 70 °IRHD. Fluorosilicone rubber having methyl, vinyl and fluorine substituent groups on the polymer chain. Meets material properties of Aerospace Specification Mil-R-25988B, Class 1, Grade 70. Excellent heat resistance and low temperature flexibility. Suitable for sealing petroleum oils and hydrocarbon fuels. Fluorosilicones are widely used in aircraft fuel systems.

General Information			
Features	Flexibility at low temperatures		
	Heat resistance, high		
Uses	Aircraft applications		
	Seals		
Agency Ratings	MIL R-25988B		
Appearance	Blue		
Hardness	Nominal Value		Test Method
IRHD Hardness	65		ASTM D1415, ISO 48
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	8.00	MPa	ASTM D412, ISO 37
Tensile Elongation (Break)	200	%	ASTM D412, ISO 37
Compression Set (175°C, 22 hr)	10	%	ASTM D395, ISO 815
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (200°C, 70 hr)	5.0	%	ASTM D573, ISO 188
Change in Ultimate Elongation in Air (200°C, 70 hr)	-14	%	ASTM D573, ISO 188
Change in IRHD Hardness in Air (200°C, 70 hr)	5.0		ASTM D573, ISO 188
Thermal	Nominal Value	Unit	
Maximum Operating Temperature	225	°C	
Low Temperature Resistance - TR10	-57	°C	
Additional Information	Nominal Value	Unit	
Minimum Operating Temperature: -55°C (-67°F)			

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

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

