

Saint-Gobain Fluoroloy® A30 High Performance PTFE/Glass Seal Material

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE , Polytetrafluoroethylene (PTFE), Glass Filled, Molded

Material Notes:

Excellent heat, wear, and chemical resistance; Good cryogenic properties; Can be abrasive running against soft metals at high surface speed; Excellent material for back-up rings Information provided by Saint-Gobain Performance Plastics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Saint-Gobain-Fluoroloy-A30-High-Performance-PTFEGlass-Seal-Material.php

Physical Properties	Metric	English	Comments
Density	2.19 g/cc	0.0791 lb/in ³	ASTM D792
Deformation	7.0 % @Time 86400 sec	7.0 % @Time 24.0 hour	13.8 MPa (2000 psi) load; ASTM D621

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	60	60	ASTM D2240
Tensile Strength	18.6 MPa	2700 psi	ASTM D4894
Elongation at Break	220 %	220 %	ASTM D4894
Tensile Modulus	0.427 GPa	61.9 ksi	ASTM D4894
Compressive Yield Strength	13.1 MPa @Strain 1.00 %	1900 psi @Strain 1.00 %	ASTM D695
Compressive Modulus	0.883 GPa	128 ksi	ASTM D695
Coefficient of Friction	0.09	0.09	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	109 µm/m-°C @Temperature 26.0 - 200 °C	60.6 µin/in-°F @Temperature 78.8 - 392 °F	Mold Direction; ASTM D696
CTE, linear, Transverse to Flow	99.1 µm/m-°C @Temperature 26.0 - 200 °C	55.1 µin/in-°F @Temperature 78.8 - 392 °F	ASTM D696
Maximum Service Temperature, Air	316 °C	601 °F	
Minimum Service Temperature, Air	-268 °C	-450 °F	

Descriptive Properties	Value	Comments
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Contact Songhan Plastic Technology Co.,Ltd.

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