

Saint-Gobain Fluoroloy® A15 High Performance Seal Material

Category : Polymer , Thermoplastic

Material Notes:

Improved sealing at low pressure; Can be abrasive running against soft metals Information provided by Saint-Gobain Performance Plastics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Saint-Gobain-Fluoroloy-A15-High-Performance-Seal-Material.php

Physical Properties	Metric	English	Comments
Density	2.23 g/cc	0.0806 lb/in ³	ASTM D792
Deformation	8.5 % @Time 86400 sec	8.5 % @Time 24.0 hour	13.8 MPa (2000 psi) load; ASTM D621

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	58	58	ASTM D2240
Tensile Strength	23.4 MPa	3390 psi	ASTM D4894
Elongation at Break	230 %	230 %	ASTM D4894
Tensile Modulus	0.441 GPa	64.0 ksi	ASTM D4894
Compressive Yield Strength	13.1 MPa @Strain 1.00 %	1900 psi @Strain 1.00 %	ASTM D695
Compressive Modulus	0.827 GPa	120 ksi	ASTM D695
Coefficient of Friction	0.090	0.090	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	129 Âµm/m-Â°C @Temperature 26.0 - 200 Â°C	71.7 Âµin/in-Â°F @Temperature 78.8 - 392 Â°F	Mold Direction; ASTM D696
CTE, linear, Transverse to Flow	93.5 Âµm/m-Â°C @Temperature 26.0 - 200 Â°C	51.9 Âµin/in-Â°F @Temperature 78.8 - 392 Â°F	ASTM D696
Maximum Service Temperature, Air	316 Â°C	601 Â°F	
Minimum Service Temperature, Air	-268 Â°C	-450 Â°F	

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

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