

Saint-Gobain Fluoroloy® A08 High Performance Seal Material

Category : Polymer , Thermoplastic

Material Notes:

Superior heat and wear resistance; Recommended for moderate to high speed dynamic service running against soft metals; Non-abrasive
Information provided by Saint-Gobain Performance Plastics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Saint-Gobain-Fluoroloy-A08-High-Performance-Seal-Material.php

Physical Properties	Metric	English	Comments
Density	2.03 g/cc	0.0733 lb/in ³	ASTM D792
Deformation	8.3 % @Time 86400 sec	8.3 % @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	20.7 MPa	3000 psi	ASTM D4894
Elongation at Break	230 %	230 %	ASTM D4894
Tensile Modulus	0.379 GPa	55.0 ksi	ASTM D4894
Compressive Yield Strength	6.89 MPa @Strain 1.00 %	999 psi @Strain 1.00 %	ASTM D695
Compressive Modulus	0.655 GPa	95.0 ksi	ASTM D695
Coefficient of Friction	0.20	0.20	ASTM D3702

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	127 Âµm/m-Â°C @Temperature 26.0 - 200 Â°C	70.6 Âµin/in-Â°F @Temperature 78.8 - 392 Â°F	Mold Direction; ASTM D696
CTE, linear, Transverse to Flow	132 Âµm/m-Â°C @Temperature 26.0 - 200 Â°C	73.3 Âµin/in-Â°F @Temperature 78.8 - 392 Â°F	ASTM D696
Maximum Service Temperature, Air	288 Â°C	550 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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