

Saint-Gobain Fluoroloy® A09 High Performance Seal Material

Category : Polymer , Thermoplastic

Material Notes:

Extremely tough, long-wearing material; Excellent in water and water-based fluids, particularly suitable for abrasive media; Long wear life under severe conditions; Limited heat and chemical resistance Information provided by Saint-Gobain Performance Plastics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Saint-Gobain-Fluoroloy-A09-High-Performance-Seal-Material.php

Physical Properties	Metric	English	Comments
Density	0.940 g/cc	0.0340 lb/in ³	ASTM D792
Deformation	10 % @Time 86400 sec	10 % @Time 24.0 hour	13.8 MPa (2000 psi) load; ASTM D621

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	62	62	ASTM D2240
Tensile Strength	31.0 MPa	4500 psi	ASTM D638
Elongation at Break	230 %	230 %	ASTM D638
Tensile Modulus	0.531 GPa	77.0 ksi	ASTM D638
Compressive Yield Strength	6.21 MPa @Strain 1.00 %	901 psi @Strain 1.00 %	ASTM D695
Compressive Modulus	0.531 GPa	77.0 ksi	ASTM D695
Coefficient of Friction	0.11	0.11	ASTM D3702

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	147 Âµm/m-Â°C @Temperature 26.0 - 200 Â°C	81.7 Âµin/in-Â°F @Temperature 78.8 - 392 Â°F	Mold Direction; ASTM D696
CTE, linear, Transverse to Flow	213 Âµm/m-Â°C @Temperature 26.0 - 200 Â°C	118 Âµin/in-Â°F @Temperature 78.8 - 392 Â°F	ASTM D696
Maximum Service Temperature, Air	82.0 Â°C	180 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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