

Saint-Gobain Fluoroloy® A22 High Performance Seal Material

Category : Polymer , Thermoplastic

Material Notes:

High modulus with excellent high-temperature resistance; Abrasion resistant; Chemically Inert; Recommended for back-up rings and for special applications. Information provided by Saint-Gobain Performance Plastics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Saint-Gobain-Fluoroloy-A22-High-Performance-Seal-Material.php

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in ³	ASTM D792
Deformation	0.030 % @Time 86400 sec	0.030 % @Time 24.0 hour	13.8 MPa (2000 psi) load; ASTM D621

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	90	90	ASTM D2240
Tensile Strength	95.0 MPa	13800 psi	ASTM D4894
Elongation at Break	30 %	30 %	ASTM D4894
Tensile Modulus	4.00 GPa	580 ksi	ASTM D4894
Compressive Yield Strength	138 MPa @Strain 1.00 %	20000 psi @Strain 1.00 %	ASTM D695
Compressive Modulus	2.441 GPa	354.0 ksi	ASTM D695
Coefficient of Friction	0.40	0.40	Saint-Gobain Method

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	55.6 Åµm/m-Å°C @Temperature 26.0 - 200 Å°C	30.9 Åµin/in-Å°F @Temperature 78.8 - 392 Å°F	Mold Direction; ASTM D696
CTE, linear, Transverse to Flow	78.5 Åµm/m-Å°C @Temperature 26.0 - 200 Å°C	43.6 Åµin/in-Å°F @Temperature 78.8 - 392 Å°F	ASTM D696
Maximum Service Temperature, Air	260 Å°C	500 Å°F	

Descriptive Properties	Value	Comments
Color	Tan	

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