

Saint-Gobain Fluoroloy® A16 High Performance Seal Material

Category : Polymer , Thermoplastic

Material Notes:

General purpose material for heat and wear resistance; Recommended for dry and poorly lubricated applications; Particularly suitable for water and steam service Information provided by Saint-Gobain Performance Plastics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Saint-Gobain-Fluoroloy-A16-High-Performance-Seal-Material.php

Physical Properties	Metric	English	Comments
Density	2.13 g/cc	0.0770 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	20.7 MPa	3000 psi	ASTM D4894
Elongation at Break	200 %	200 %	ASTM D4894
Tensile Modulus	0.386 GPa	56.0 ksi	ASTM D4894
Compressive Yield Strength	13.1 MPa @Strain 1.00 %	1900 psi @Strain 1.00 %	ASTM D695
Compressive Modulus	0.758 GPa	110 ksi	ASTM D695
Coefficient of Friction	0.09	0.09	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	129 $\mu\text{m/m}\cdot\text{Å}^\circ\text{C}$ @Temperature 26.0 - 200 $\text{Å}^\circ\text{C}$	71.7 $\mu\text{in/in}\cdot\text{Å}^\circ\text{F}$ @Temperature 78.8 - 392 $\text{Å}^\circ\text{F}$	Mold Direction; ASTM D696
CTE, linear, Transverse to Flow	126 $\mu\text{m/m}\cdot\text{Å}^\circ\text{C}$ @Temperature 26.0 - 200 $\text{Å}^\circ\text{C}$	70.0 $\mu\text{in/in}\cdot\text{Å}^\circ\text{F}$ @Temperature 78.8 - 392 $\text{Å}^\circ\text{F}$	ASTM D696
Maximum Service Temperature, Air	260 $\text{Å}^\circ\text{C}$	500 $\text{Å}^\circ\text{F}$	
Minimum Service Temperature, Air	-268 $\text{Å}^\circ\text{C}$	-450 $\text{Å}^\circ\text{F}$	

Descriptive Properties	Value	Comments
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Descriptive Properties

Value **ray**

Comments

Contact Songhan Plastic Technology Co.,Ltd.

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