

Fluoroloy® A01

Thermoplastic

Saint Gobain Performance Plastics

Message:

Features/Benefits:

Color: White

FDA compliant

Low gas permeability

Good cryogenic properties

Limited wear and heat resistance

Working Temperature Range: -268° to +260°C [-450° to +500°F]

General Information			
Features	Low Gas Permeability		
Agency Ratings	FDA Unspecified Rating		
Appearance	White		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.15	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	50 to 65		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	386	MPa	ASTM D638
Tensile Stress	27.5	MPa	ASTM D1708
Tensile Elongation (Break)	300	%	ASTM D1708
Compressive Modulus	558	MPa	ASTM D695
Compressive Strength (1% Strain)	8.27	MPa	ASTM D695
Coefficient of Friction	0.050 to 0.080		ASTM D3702
Deformation Under Load ¹ (14 MPa)	10.0	%	ASTM D621
Thermal	Nominal Value	Unit	Test Method
CLTE			ASTM D696
Flow : 26 to 200°C	1.3E-4	cm/cm/°C	
Transverse : 26 to 200°C	1.5E-4	cm/cm/°C	
NOTE			
1.	24 hours		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

