

Material Data Sheet

Fluoroloy® A01

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]

The table below represents typical values

Properties ¹	ASTM	Value	Units
PHYSICAL			
Specific Gravity	D792	2.16	-
MECHANICAL			
Tensile Strength	D1708	27.5 [4,000]	MPa [psi]
Tensile Modulus	D638	386 [56,000]	MPa [psi]
Elongation	D1708	300	%
Compression Strength ²	D695	8.27 [1,200]	MPa [psi]
Compressive Modulus	D695	558 [81,000]	MPa [psi]
Deformation Under Load ³	D621	10	%
Hardness	D2240	50-65	Shore D
Coefficient of Friction	D3702	0.05-0.08	-
THERMAL			
Linear Coefficient of Thermal Expansion 26° to 200°C [78° to 392°F] Mold Direction Cross Direction	D696	13.0x10 ⁻⁵ [7.22x10 ⁻⁵] 15.2x10 ⁻⁵ [8.44x10 ⁻⁵]	mm/mm/°C [in/in/°F] mm/mm/°C [in/in/°F]

1. All testing is performed at room temperature unless otherwise specified.
2. Compression Strength was measured at 1% Strain.
3. Deformation Under Load was tested at 13.8 MPa [2,000 psi] for 24 hours

NOTE: The data listed falls within the normal range of properties but should not be used to establish specification limits nor used solely as the basis of design. Saint-Gobain Performance Plastics assumes no obligation or liability for any advice furnished by the Company or for results obtained with respect to the products.

Saint-Gobain Performance Plastics – Seals

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USA: Garden Grove, CA
Toll Free: (800) 544-0080
Fax: (714) 688-2701

Europe: (32) 34 58 28 28
South America: (55) 19 2127 8530

Japan: (81) 266 79 6400
China: (86) 21 54 72 1568

Email: seals.marketing@saint-gobain.com
Website: www.seals.saint-gobain.com
www.rulon-meldin.com