

Material Data Sheet

Fluoroloy® A22

Features/Benefits:

- Color: Tan
- Resistant to abrasions
- Chemical and environmental inertness
- Good strength at elevated temperatures
- Working Temperature Range: Up to +260°C [+500°F]

The table below represents typical values

Properties ¹	ASTM	Value	Units
PHYSICAL			
Specific Gravity	D792	1.30	-
MECHANICAL			
Tensile Strength	D1708	95 [13,780]	MPa [psi]
Tensile Modulus	D1708	4,000 [580,150]	MPa [psi]
Elongation	D1708	30	%
Compression Strength ²	D695	138 [20,000]	MPa [psi]
Compressive Modulus	D695	2,441 [354,000]	MPa [psi]
Deformation Under Load ³	D621	0.03	%
Hardness	D2240	90	Shore D
Coefficient of Friction	D3702	0.40	-
THERMAL			
Linear Coefficient of Thermal Expansion 26° to 200°C [78° to 392°F] Mold Direction Cross Direction	D696	5.56x10 ⁻⁵ [3.09x10 ⁻⁵] 7.85x10 ⁻⁵ [4.36x10 ⁻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.

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