

Material Data Sheet

Fluoroloy® A08

Features/Benefits:

- Color: Tan
- Superior wear and heat resistance
- Non-abrasive
- Recommended for moderate to high speed dynamic service running against soft metals
- Working Temperature Range: -268° to +288°C [-450° to +550°F]

The table below represents typical values

Properties ¹	ASTM	Value	Units
PHYSICAL			
Specific Gravity	D792	2.03	-
MECHANICAL			
Tensile Strength	D1708	20.7 [3,000]	MPa [psi]
Tensile Modulus	D638	379 [55,000]	MPa [psi]
Elongation	D1708	230	%
Compression Strength ²	D695	6.89 [1,000]	MPa [psi]
Compressive Modulus	D695	655 [95,000]	MPa [psi]
Deformation Under Load ³	D621	8.3	%
Hardness	D2240	60	Shore D
Coefficient of Friction	D3702	0.20	-
THERMAL			
Linear Coefficient of Thermal Expansion 26° to 200°C [78° to 392°F] Mold Direction Cross Direction	D696	12.7x10 ⁻⁵ [7.05x10 ⁻⁵] 13.2x10 ⁻⁵ [7.36x10 ⁻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.

Saint-Gobain Performance Plastics – Seals

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