

# FLUOROLOY® A30

The following table is a list of typical physical property values for Fluoroloy® A30.

Properties <sup>1</sup>	ASTM	Units [Metric]	Value [Metric]
<b>Physical</b>			
Specific Gravity	D792	—	2.19
<b>Mechanical</b>			
Tensile Strength	D4894	PSI [MPa]	2,700 [18.6]
Tensile Modulus	D4894	PSI [MPa]	62,000 [427]
Elongation	D4894	%	220
Compression Strength <sup>2</sup>	D695	PSI [MPa]	1,900 [13.1]
Compressive Modulus	D695	PSI [MPa]	128,000 [883]
Deformation Under Load <sup>3</sup>	D621	%	7.2
Hardness	D2240	Shore D	60
Coefficient of Friction	Saint-Gobain	—	.09
<b>Thermal</b>			
Linear Coefficient of Thermal Expansion (78° to 392°F [26° to 200°C])	E831	in./in./°F	6.06 x 10 <sup>-5</sup>
Mold Direction		[mm/mm/°C]	[10.9 x 10 <sup>-5</sup> ]
Cross Direction		in./in./°F	5.51 x 10 <sup>-5</sup>
		[mm/mm/°C]	[9.91 x 10 <sup>-5</sup> ]

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

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

## Material

- Glass Formulated PTFE

## Features/Benefits

- Excellent heat, wear, and chemical resistance.
- Good cryogenic properties.
- Caution: can be abrasive running against soft metals at high surface speed.
- Excellent material for back-up rings.

## Working Temperature Range

- -450° to +600°F  
[-268° to +316°C]

## Color

- Yellow

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