

# Fluoroloy® A30

Polytetrafluoroethylene  
Saint Gobain Performance Plastics

Message:

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

General Information			
Features	Good Chemical Resistance		
	Good Wear Resistance		
	High Heat Resistance		
Appearance	Yellow		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.18	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	60		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	427	MPa	ASTM D4894
Tensile Strength	18.6	MPa	ASTM D4894
Tensile Elongation (Break)	220	%	ASTM D4894
Compressive Modulus	883	MPa	ASTM D695
Compressive Strength (1% Strain)	13.1	MPa	ASTM D695
Coefficient of Friction	0.090		Internal Method
Deformation Under Load <sup>1</sup> (14 MPa)	7.20	%	ASTM D621
Thermal	Nominal Value	Unit	Test Method
CLTE			ASTM E831
Flow : 26 to 200°C	1.1E-4	cm/cm/°C	
Transverse : 26 to 200°C	9.9E-5	cm/cm/°C	
NOTE			

1. 24 hours

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Recommended distributors for this material

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WECHAT