

# Fluoroloy® A16

Thermoplastic

Saint Gobain Performance Plastics

## Message:

Features/Benefits:

Color: Dark Gray

Particularly suitable for water and steam service

Excellent general purpose material for heat and wear resistance

Recommended for dry and poorly lubricated applications

Working Temperature Range: -268° to +260°C [-450° to +500°F]

General Information			
Features	General Purpose		
	Good Wear Resistance		
	Medium Heat Resistance		
Uses	General Purpose		
Appearance	Dark Grey		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.12	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	386	MPa	ASTM D638
Tensile Stress	20.7	MPa	ASTM D1708
Tensile Elongation (Break)	200	%	ASTM D1708
Compressive Modulus	758	MPa	ASTM D695
Compressive Strength (1% Strain)	13.1	MPa	ASTM D695
Deformation Under Load <sup>1</sup> (14 MPa)	7.00	%	ASTM D621
Thermal	Nominal Value	Unit	Test Method
CLTE			ASTM D696
Flow : 26 to 200°C	1.3E-4	cm/cm/°C	
Transverse : 26 to 200°C	1.3E-4	cm/cm/°C	
NOTE			
1.	24 hours		

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