

Fluoroloy® A09

Thermoplastic

Saint Gobain Performance Plastics

Message:

Features/Benefits:

Color: Gold

Extremely tough, long wearing material

Limited heat and chemical resistance

Excellent in water and water-based fluids, particularly suitable for abrasive media

Recommended for long wear life under severe conditions

Working Temperature Range: -268° to +82°C [-450° to +180°F]

General Information			
Features	Good Toughness		
	Good Wear Resistance		
Appearance	Gold		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.938	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	62		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	531	MPa	ASTM D638
Tensile Strength	31.0	MPa	ASTM D638
Tensile Elongation (Break)	230	%	ASTM D638
Compressive Modulus	531	MPa	ASTM D695
Compressive Strength (1% Strain)	6.21	MPa	ASTM D695
Coefficient of Friction	0.11		ASTM D3702
Deformation Under Load ¹ (14 MPa)	10.0	%	ASTM D621
Thermal	Nominal Value	Unit	Test Method
CLTE			ASTM E831
Flow : 26 to 200°C	1.5E-4	cm/cm/°C	
Transverse : 26 to 200°C	2.1E-4	cm/cm/°C	
NOTE			
1.	24 hours		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

