

Fluoroloy® A12

Thermoplastic
Saint Gobain Performance Plastics

Message:

Features and Benefits

Excellent wear and heat resistance

Non-abrasive

Recommended for moderate to high speed service running against soft or hard metals

Performs well against lubricated and non-lubricated surfaces

General Information			
Features	Good Wear Resistance		
	High Heat Resistance		
	Non-Abrasive		
Appearance	Light Brown		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.95	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	60		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	13.8	MPa	ASTM D1708
Tensile Elongation (Break)	180	%	ASTM D1708
Compressive Strength (1% Strain)	6.89	MPa	ASTM D695
Coefficient of Friction	0.12		ASTM D3702
Deformation Under Load ¹ (14 MPa)	3.00	%	ASTM D621
Thermal	Nominal Value	Unit	
Thermal Conductivity	0.25	W/m/K	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	6.3E+18	ohms	ASTM D4496
Volume Resistivity	8.2E+18	ohms · cm	ASTM D4496
Dielectric Strength	> 7.9	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	2.40		ASTM D150
Dissipation Factor (1 MHz)	0.015		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flammability	Non-Flammable		ASTM D635
NOTE			
1.	24 hours		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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



WECHAT