

SCHULAMID® 6 GF 30 H

Polyamide 6
A. Schulman Europe

Message:
30% glass fiber reinforced, heat stabilized Polyamide 6

General Information				
UL YellowCard		E344659-100854526	E86615-252157	E188844-102210958
Filler / Reinforcement		Glass Fiber,30% Filler by Weight		
Features		Good Heat Aging Resistance		
		Good Toughness		
		High Stiffness		
		Oil Resistant		
UL File Number		E86615		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.35	--	g/cm ³	ISO 1183/A
Viscosity Number	145	--	cm ³ /g	ISO 307
Hardness	Dry	Conditioned	Unit	Test Method
Ball Indentation Hardness (H 358/30)	200	--	MPa	ISO 2039-1
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	8800	5000	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	160	100	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	3.5	8.0	%	ISO 527-2/1A/5
Flexural Modulus	7800	--	MPa	ISO 178
Flexural Stress	210	--	MPa	ISO 178
Flexural Strain at Flexural Strength	3.7	--	%	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	9.0	--	kJ/m ²	
23°C	14	30	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	60	--	kJ/m ²	
23°C	85 kJ/m ²	No Break		
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				

0.45 MPa, Unannealed	220	--	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	200	--	°C	ISO 75-2/Af
Vicat Softening Temperature	210	--	°C	ISO 306/B50
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	> 1.0E+15	--	ohms	IEC 60093
Volume Resistivity	> 1.0E+13	--	ohms·cm	IEC 60093
Comparative Tracking Index	450	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate (2.00 mm)	< 100	--	mm/min	ISO 3795
Flammability Classification				IEC 60695-11-10, -20
0.750 mm	HB	--		
1.50 mm	HB	--		
3.00 mm	HB	--		

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