

SCHULAMID® 6 GF 15 HV

Polyamide 6
A. Schulman Europe

Message:
15% glass fibre reinforced Polyamide 6 with high viscosity

General Information				
UL YellowCard		E86615-100038637		
Filler / Reinforcement		Glass Fiber, 15% Filler by Weight		
Features		Good Toughness		
		High Viscosity		
		Oil Resistant		
UL File Number		E86615		
Processing Method		Injection Molding		
Resin ID (ISO 1043)		PA6 GF15		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.23	--	g/cm ³	ISO 1183/A
Water Absorption (Saturation, 23°C)	2.4	--	%	ISO 62
Viscosity Number	170	--	cm ³ /g	ISO 307
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	5700	3000	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	120	65.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	4.5	14	%	ISO 527-2/1A/5
Flexural Modulus	4400	--	MPa	ISO 178
Flexural Stress	170	--	MPa	ISO 178
Flexural Strain at Flexural Strength	7.0	--	%	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	6.0	--	kJ/m ²	
23°C	7.0	20	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	55	--	kJ/m ²	
23°C	62 kJ/m ²	No Break		
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	210	--	°C	ISO 75-2/Bf

1.8 MPa, Unannealed	200	--	°C	ISO 75-2/Af
Vicat Softening Temperature				
--	215	--	°C	ISO 306/A50
--	210	--	°C	ISO 306/B50
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	> 1.0E+15	> 1.0E+12	ohms	IEC 60093
Volume Resistivity	> 1.0E+13	> 1.0E+10	ohms·cm	IEC 60093
Comparative Tracking Index	450	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flammability Classification				IEC 60695-11-10, -20
0.750 mm	HB	--		
1.50 mm	HB	--		
3.00 mm	HB	--		
Glow Wire Flammability Index				IEC 60695-2-12
1.50 mm	--	650	°C	
3.00 mm	--	650	°C	

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

