

SCHULAMID® 6 GF 30 HI FR 4

Polyamide 6

A. Schulman Europe

Message:

30% glass fibre reinforced and impact modified PA 6; flame retardant containing halogens without PBDE

General Information				
UL YellowCard		E86615-638534		
Filler / Reinforcement		Glass Fiber,30% Filler by Weight		
Additive		Impact Modifier		
Features		Flame Retardant		
		Halogenated		
		Impact Modified		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.59	--	g/cm ³	ISO 1183/A
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	11000	8500	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	150	104	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	2.5	4.0	%	ISO 527-2/1A/5
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	8.5	--	kJ/m ²	
23°C	10	12	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	54	--	kJ/m ²	
23°C	60	65	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	216	--	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	207	--	°C	ISO 75-2/Af
Vicat Softening Temperature				
--	211	--	°C	ISO 306/A120
--	203	--	°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	225	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flammability Classification				IEC 60695-11-10, -20
0.800 mm	V-0	--		
1.60 mm	V-2	--		
Glow Wire Flammability Index				IEC 60695-2-12
0.750 mm	960	--	°C	
1.50 mm	960	--	°C	
3.00 mm	960	--	°C	
Glow Wire Ignition Temperature				IEC 60695-2-13
0.750 mm	800	--	°C	
1.50 mm	800	--	°C	
3.00 mm	800	--	°C	
Oxygen Index	34	--	%	ISO 4589-2

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

