

SCHULAMID® 6 GF 15 HI

Polyamide 6
A. Schulman Europe

Message:
15% glass fiber reinforced and impact modified Polyamide 6

General Information				
Filler / Reinforcement		Glass Fiber, 15% Filler by Weight		
Features		Good Processability		
		Good Toughness		
		High Impact Resistance		
		Oil Resistant		
Processing Method		Injection Molding		
Resin ID (ISO 1043)		PA6I-GF15		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.20	--	g/cm ³	ISO 1183/A
Viscosity Number	145	--	cm ³ /g	ISO 307
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	5000	2600	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	100	60.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	5.0	15	%	ISO 527-2/1A/5
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	7.0	--	kJ/m ²	
23°C	16	24	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	56	--	kJ/m ²	
23°C	70 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	190	--	°C	ISO 75-2/ Af
Vicat Softening Temperature				
--	215	--	°C	ISO 306/A50
--	205	--	°C	ISO 306/B50
Flammability	Dry	Conditioned	Unit	Test Method

Burning Rate	< 100	--	mm/min	ISO 3795
Flammability Classification				IEC 60695-11-10, -20
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	

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Recommended distributors for this material

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