

SCHULAMID® 6 GF 15 HI BM

Polyamide 6
A. Schulman Europe

Message:
15% glass fiber reinforced and impact modified Polyamide 6 with high melt strength for blowmoulding processing

General Information				
Filler / Reinforcement		Glass Fiber,15% Filler by Weight		
Features		Good Heat Aging Resistance		
		Good Processing Stability		
		High Impact Resistance		
		High Melt Stability		
		High Viscosity		
		Oil Resistant		
Processing Method		Blow Molding		
		Injection Molding		
Resin ID (ISO 1043)		PA6I GF15		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.20	--	g/cm ³	ISO 1183/A
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	5000	2300	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	86.0	55.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	7.0	24	%	ISO 527-2/1A/5
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	6.0	--	kJ/m ²	
23°C	12	36	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	60	--	kJ/m ²	
23°C	70 kJ/m ²	No Break		
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	205	--	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	165	--	°C	ISO 75-2/ Af
Vicat Softening Temperature				

--	220	--	°C	ISO 306/A50
--	195	--	°C	ISO 306/B50
Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate (2.00 mm)	< 100	--	mm/min	ISO 3795

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