

SCHULAMID® 6 GF 30 H LW

Polyamide 6
A. Schulman Europe

Message:
30 % glassfiber reinforced and heatstabilized PA 6 Compound, transparent for laserlight in laser welding applications

General Information				
Filler / Reinforcement		Glass Fiber,30% Filler by Weight		
Processing Method		Injection Molding		
Resin ID (ISO 1043)		PA6-GF		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.35	--	g/cm ³	ISO 1183/A
Viscosity Number	145	--	cm ³ /g	ISO 307
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	9200	5000	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	165	100	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	4.0	8.0	%	ISO 527-2/1A/5
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	8.0	--	kJ/m ²	
23°C	12	20	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	55	--	kJ/m ²	
23°C	80 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
Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate (2.00 mm)	< 100	--	mm/min	ISO 3795

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