

SCHULAMID® PPA GF 33

Polyphthalamide

A. Schulman Europe

Message:

Polyphthalamid with 33% GF, high stiffness and strength at high temperatures, heatstabilized, high chemical resistance

General Information				
Filler / Reinforcement		Glass fiber reinforced material, 33% filler by weight		
Processing Method		Injection molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.46	--	g/cm ³	ISO 1183/A
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	13700	12000	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	195	162	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	2.0	1.6	%	ISO 527-2/1A/5
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	10	--	kJ/m ²	ISO 179/1eA
23°C	10	10	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	45	--	kJ/m ²	ISO 179/1eU
23°C	70	37	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, annealing, 3.30mm ¹	297	--	°C	ISO 75-2/B
1.8 MPa, not annealed	280	--	°C	ISO 75-2/A
1.8 MPa, annealed, 3.20mm	285	--	°C	ISO 75-2/A
Vicat Softening Temperature	303	--	°C	ISO 306/B
Injection	Dry	Unit		
Drying Temperature	120		°C	
Drying Time	3.0 - 4.0		hr	
Suggested Max Moisture	0.040 - 0.10		%	
Suggested Max Regrind	20		%	
Processing (Melt) Temp	310 - 345		°C	
Mold Temperature	120 - 160		°C	
NOTE				

1.

Thickness 3.2 mm

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Recommended distributors for this material

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