

SLOVAMID® 66/6 GF 30 TS

Polyamide 66/6 Copolymer

Plastcom

Message:

Chemically reinforced alloy PA 66 and PA 6 with 30 % glass fibre. Small crystalline average due to application for parts with very high surface finish demand. Used in the automotive, engineering and electrical industry. Delivered in natural mode and in the full RAL colour scale.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Heat Stabilizer		
Features	Chemically Coupled		
	Good Surface Finish		
	Heat Stabilized		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
Appearance	Colors Available		
	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (275°C/1.2 kg)	5.0	g/10 min	ISO 1133
Molding Shrinkage			STM 64 0808
Across Flow	1.1	%	
Flow	0.80	%	
Water Content	0.15	%	ISO 960
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5500	MPa	ISO 527-2
Tensile Stress (Yield)	125	MPa	ISO 527-2
Tensile Strain (Yield)	4.0	%	ISO 527-2
Flexural Modulus	4200	MPa	ISO 178
Flexural Stress	175	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	3.0	kJ/m ²	
23°C	4.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	30	kJ/m ²	

23°C	40	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	175	°C	ISO 75-2/B
Vicat Softening Temperature	195	°C	ISO 306/B
Melting Temperature (DSC)	262	°C	ISO 3146
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+11	ohms	IEC 60093
Volume Resistivity	1.0E+14	ohms·cm	IEC 60093
Electric Strength	25	kV/mm	IEC 60243-1
Comparative Tracking Index	450	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Glow Wire Ignition Temperature	650	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	280 to 300	°C	
Mold Temperature	60.0 to 90.0	°C	
Injection Pressure	70.0 to 120	MPa	

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