

SLOVAMID® 66 GF 40 E/2M

Polyamide 66

Plastcom

Message:

PA 66 for extrusion and injection moulding grade. Chemically reinforced with 40% glass fibre, determined for extrusion of profile systems for window profiles. Delivered in black color.

General Information			
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Additive	Heat Stabilizer		
Features	Chemically Coupled		
	Heat Stabilized		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
	Engineering Parts		
	Gears		
Appearance	Black		
Processing Method	Extrusion		
Resin ID (ISO 1043)	PA 66		
Physical	Nominal Value	Unit	Test Method
Density	1.43	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (275°C/2.16 kg)	5.0	g/10 min	ISO 1133
Water Content	0.15	%	ISO 960
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12300	MPa	ISO 527-2
Tensile Stress (Yield)	175	MPa	ISO 527-2
Tensile Strain (Yield)	3.5	%	ISO 527-2
Flexural Modulus	6500	MPa	ISO 178
Flexural Stress	230	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	8.0	kJ/m ²	
23°C	11	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	75	kJ/m ²	
23°C	75	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (0.45 MPa, Unannealed)	250	°C	ISO 75-2/B
Vicat Softening Temperature	250	°C	ISO 306/B
Melting Temperature (DSC)	260	°C	ISO 3146
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms·cm	IEC 60093
Electric Strength	25	kV/mm	IEC 60243-1
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	250 to 270	°C	

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