SLOVAMID® 66 GF 40 E

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	Profiles Windows & Doors
Appearance	Black
Processing Method	Extrusion Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	1.46	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (275°C/2.16 kg)	10	g/10 min	ISO 1133
Water Content	0.15	%	ISO 960
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	13000	MPa	ISO 527-2
Tensile Stress (Yield)	160	MPa	ISO 527-2
Tensile Strain (Yield)	2.0	%	ISO 527-2
Flexural Modulus	7700	MPa	ISO 178
Flexural Stress	210	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179
-20°C	6.5	kJ/m²	
23°C	9.0	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	60	kJ/m²	
23°C	60	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (0.45 MPa, Unannealed)	255	°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	

Recommended distributors for this material

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