

SLOVAMID® 66 GF 40 E/3M

Polyamide 66

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Technical Data

Product Description

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

Material Status	• Commercial: Active
Search for UL Yellow Card	• Plastcom
Availability	• Europe
Filler / Reinforcement	• Glass Fiber Reinforcement, 40% Filler by Weight
Additive	• Heat Stabilizer
Features	• Chemically Coupled • Heat Stabilized
Uses	• Automotive Applications • Engineering Parts • Electrical/Electronic Applications • Gears
Appearance	• Black
Processing Method	• Extrusion
Resin ID (ISO 1043)	• PA 66

Physical	Nominal Value Unit	Test Method
Density	1.48 g/cm³	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	14500 MPa	ISO 527-2
Tensile Stress (Yield)	195 MPa	ISO 527-2
Tensile Strain (Yield)	3.0 %	ISO 527-2
Flexural Modulus	8700 MPa	ISO 178
Flexural Strength	250 MPa	ISO 178

Impact	Nominal Value Unit	Test Method
Charpy Notched Impact Strength		ISO 179
-20°C	6.0 kJ/m²	
23°C	7.0 kJ/m²	
Charpy Unnotched Impact Strength		ISO 179
-20°C	60 kJ/m²	
23°C	65 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 ohm	IEC 60093
Volume Resistivity	1.0E+15 ohm·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

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Injection	Nominal Value Unit
Processing (Melt) Temp	250 to 270 °C

Notes

¹ Typical properties: these are not to be construed as specifications.

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Where to Buy

Supplier

Plastcom

Bratislava, Slovakia

Telephone: 00421 2 44 259 160

Web: <http://www.plastcom.sk/>

Distributor

Please contact the supplier to find a distributor for SLOVAMID® 66 GF 40 E/3M



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