SLOVAMID® 66 GB 30 LS

Polyamide 66

Plastcom

Message:

PA 66 injection for chemically reinforced glass beads 30%, light-stabilized, suitable for moldings with high strength and toughness, is used in the automotive, engineering and electrical industry. Use in environments where there is prolonged exposure to heat to 200°C. The decrease in tensile strength by 50% after 5000 hours at 170°C. Hobby tools, gears, housings electrical devices. Thermal stabilization of predetermined products in an environment with constant heat stress.

General Information			
Filler / Reinforcement	Glass Bead,30% Filler by Weight		
Additive	UV Stabilizer		
Features	Chemically Coupled High Strength Ultra High Toughness		
Uses	Automotive Applications Electrical/Electronic Applications Gears Housings		
Appearance	Black Colors Available Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	PA 66		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.36	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (275°C/0.325 kg)	3.0	g/10 min	ISO 1133
Molding Shrinkage			STM 64 0808
Across Flow	0.71	%	
Flow	0.63	%	
Water Content	0.15	%	ISO 960
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	4700	MPa	ISO 527-2
Tensile Stress (Yield)	85.0	MPa	ISO 527-2
Tensile Strain (Yield)	8.0	%	ISO 527-2
Flexural Modulus	4550	MPa	ISO 178
Flexural Stress	180	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	8.0	kJ/m²	
23°C	9.0	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	32	kJ/m²	
23°C	36	kJ/m²	
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+17	ohms·cm	IEC 60093
Electric Strength	40	kV/mm	IEC 60243-1
Comparative Tracking Index	400	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	

Recommended distributors for this material

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