SLOVAMID® 66 GF 10 FRA 3

Polyamide 66

Plastcom

Message:

Chemically reinforced with 10% glass fiber, suitable for moldings with high strength and toughness even at low temperatures used in the automotive, engineering and electrical industry. With increasing content of SV increases toughness, tensile strength, flexural modulus and flexural strength, reduces the shrinkage, increase the use of heat to 250°C. Hobby tools, gears, housings electrical devices. Cooling fans, propellers, motors, structural parts in the automotive industry for example. foot mirror, the brake rod. Supplied in natural finish and a range of RAL color scale.

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Additive	Flame Retardant		
Features	Chemically Coupled Flame Retardant High Strength Low Temperature Toughness Ultra High Toughness		
Uses	Automotive Applications Electrical/Electronic Applications Gears Housings		
Appearance	Colors Available Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	PA 66		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.30	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	0.97	%	
Flow	0.65	%	
Water Content	0.15	%	ISO 960
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	6200	MPa	ISO 527-2
Tensile Stress (Yield)	100	MPa	ISO 527-2
Tensile Strain (Yield)	2.2	%	ISO 527-2
Flexural Modulus	5700	MPa	ISO 178

Flexural Stress	185	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179
-20°C	5.0	kJ/m²	
23°C	6.0	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	30	kJ/m²	
23°C	35	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
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating	V-2		UL 94
Glow Wire Ignition Temperature	850	°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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