

SLOVAMID® 66 GF 20 GB 10 HI

Polyamide 66

Plastcom

Message:

Modified with thermoplastic reactive caoutchouc, determined for mouldings with high toughness also at minus temperatures. Eligible application for ski-shoes, helmets for sport and other safety use /hockey, building/, protection frames of cardoors. Withstands high dynamic stress up to - 40°C. Delivered in natural mode and in the full RAL colour scale.

General Information			
Filler / Reinforcement	Glass Bead,10% Filler by Weight		
	Glass Fiber,20% Filler by Weight		
Additive	Impact Modifier		
Features	Impact Modified		
	Low Temperature Toughness		
	Ultra High Toughness		
Uses	Automotive Applications		
	Safety Helmets		
	Sporting Goods		
Appearance	Colors Available		
	Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	PA 66		
Physical	Nominal Value	Unit	Test Method
Density	1.38	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (275°C/0.325 kg)	2.0	g/10 min	ISO 1133
Molding Shrinkage			STM 64 0808
Across Flow	0.98	%	
Flow	1.1	%	
Water Content	0.15	%	ISO 960
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7300	MPa	ISO 527-2
Tensile Stress (Yield)	145	MPa	ISO 527-2
Tensile Strain (Yield)	3.0	%	ISO 527-2
Flexural Modulus	5750	MPa	ISO 178
Flexural Stress	145	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength			ISO 179
-20°C	12	kJ/m ²	
23°C	18	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	75	kJ/m ²	
23°C	90	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	202	°C	ISO 75-2/B
Vicat Softening Temperature	195	°C	ISO 306/B
Melting Temperature (DSC)	260	°C	ISO 3146
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 80.0	°C	
Injection Pressure	70.0 to 120	MPa	

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