

# SLOVAMID® 66/6 GF 15 GB 15

Polyamide 66/6 Copolymer

Plastcom

## Message:

Alloy PA 6 and PA 66 for injection moulding, chemically reinforced with 15% glass fibre and 15 % Glass Beads, for mouldings with high strength and toughness, which are used in the automotive, electrical, building, engineering and hobby industry - holders of electric hand tools, hobby tools, gears, covers of electric tools, automobile mirror housings, cooling screws of blowers, electromotors, bearing parts in the automotive industry. Delivered in natural mode and in the full RAL colour scale.

General Information			
Filler / Reinforcement	Glass Bead,15% Filler by Weight		
	Glass Fiber,15% Filler by Weight		
Additive	Heat Stabilizer		
Features	Chemically Coupled		
	Good Toughness		
	Heat Stabilized		
	High Strength		
Uses	Automotive Applications		
	Bearings		
	Construction Applications		
	Electrical/Electronic Applications		
	Gears		
	Housings		
	Power/Other Tools		
Appearance	Colors Available		
	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm <sup>3</sup>	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	0.60	%	
Flow	0.40	%	
Water Content	0.10	%	ISO 960
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5800	MPa	ISO 527-2

Tensile Stress (Yield)	115	MPa	ISO 527-2
Tensile Strain (Yield)	3.5	%	ISO 527-2
Flexural Modulus	4750	MPa	ISO 178
Flexural Stress	165	MPa	ISO 178
<b>Impact</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Charpy Notched Impact Strength			ISO 179
-20°C	3.0	kJ/m <sup>2</sup>	
23°C	5.5	kJ/m <sup>2</sup>	
Charpy Unnotched Impact Strength			ISO 179
-20°C	40	kJ/m <sup>2</sup>	
23°C	45	kJ/m <sup>2</sup>	
<b>Thermal</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Heat Deflection Temperature (0.45 MPa, Unannealed)	245	°C	ISO 75-2/B
Vicat Softening Temperature	240	°C	ISO 306/B
Melting Temperature (DSC)	262	°C	ISO 3146
<b>Flammability</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Flame Rating	HB		UL 94
Glow Wire Ignition Temperature	650	°C	IEC 60695-2-13
<b>Injection</b>	<b>Nominal Value</b>	<b>Unit</b>	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	250 to 270	°C	
Mold Temperature	70.0 to 90.0	°C	
Injection Pressure	70.0 to 120	MPa	

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