SLOVAMID® 66 GF 15 T 6 TS

Polyamide 66

Plastcom

Message:

Chemically reinforced with 15% glass fibre and 6% of talc, suitable for mouldings with high strength and toughness also at low temperatures. Used in the automotive, engineering and electrical industry. With the content of GF also the toughness, flexural and tensile strength increase, the shrinkage decreases and the heat application increases up to 150°C. It achieves higher rates of tensile strength and modulus of elasticity also in conditioning state when compared with PA 6 GF. Application: hobby tools, covers of electrotools, electromotors, cooling screws of blowers, gear wheels, carrying parts in the automotive industry like eg. brake cables. Delivered in natural and in the full RAL colour scale.

General Information	
Filler / Reinforcement	Glass Fiber,15% Filler by Weight Talc,6.0% Filler by Weight
Additive	Heat Stabilizer
Features	Chemically Coupled Heat Stabilized High Strength Low Temperature Toughness Ultra High Toughness
Uses	Automotive Applications Electrical/Electronic Applications Engineering Parts Gears
Appearance	Colors Available Natural Color
Processing Method	Injection Molding
Resin ID (ISO 1043)	PA 66

Physical	Nominal Value	Unit	Test Method
Density	1.29	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	1.2	%	
Flow	0.80	%	
Water Content	0.15	%	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)	2.6	%	ISO 527-2
Flexural Modulus	4700	MPa	ISO 178
Flexural Stress	175	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179
-20°C	3.5	kJ/m^2	
23°C	4.0	kJ/m^2	
Charpy Unnotched Impact Strength			ISO 179
-20°C	40	kJ/m^2	
23°C	40	kJ/m^2	
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**		**Test Method**
Flame Rating	HB		UL 94
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

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China