SLOVAMID® 6 GF 20 T 10 FRG 5

Polyamide

Plastcom

Message:

PA 6 / 66 for injection molding, chemically reinforced glass fiber 20% and 10% mineral filler. Application: for moldings with high strength and toughness with the use of automotive, electronics, engineering and consumer goods industries, for example.: Holders of hand power tools, hobby tools, gears, housings electrical appliances, cooling fans, propellers, motors, structural parts in the automotive industry. Halogen-free and free of red phosphorus flame retardant. Supplied in natural finish and in the full RAL colour scale.

General Information	
Filler / Reinforcement	Glass Fiber,20% Filler by Weight Talc,10% Filler by Weight
Additive	Flame Retardant
Features	Chemically Coupled Flame Retardant Halogen Free High Strength Low (to None) Phosphorus Content Ultra High Toughness
Uses	Appliances Automotive Applications Electrical/Electronic Applications Engineered Applications Gears Housings Power/Other Tools
Appearance	Colors Available Natural Color
Processing Method	Injection Molding
Resin ID (ISO 1043)	PA

Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ISO 1133
Molding Shrinkage			STM 64 0808
Across Flow	0.36	%	
Flow	0.37	%	

Water Content	0.15	%	ISO 960
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	8560	MPa	ISO 527-2
Tensile Stress (Yield)	105	MPa	ISO 527-2
Tensile Strain (Yield)	3.0	%	ISO 527-2
Flexural Modulus	8320	MPa	ISO 178
Flexural Stress	155	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179
-20°C	4.0	kJ/m^2	
23°C	5.0	kJ/m^2	
Charpy Unnotched Impact Strength			ISO 179
-20°C	38	kJ/m^2	
23°C	35	kJ/m^2	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Melting Temperature (DSC)	260	°C	ISO 3146
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+15	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms·cm	IEC 60093
Electric Strength	25	kV/mm	IEC 60243-1
Comparative Tracking Index	550	V	IEC 60112
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating			UL 94
0.800 mm	V-1		
1.60 mm	V-0		
3.20 mm	V-0		
Glow Wire Ignition Temperature	960	°C	IEC 60695-2-13
Injection	**Nominal Value**	**Unit**	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	260 to 280	°C	
Mold Temperature	50.0 to 70.0	°C	
Injection Pressure	70.0 to 100	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