SLOVAMID® 6 GF 10 T 20 TS 031/4M

Polyamide 6

Plastcom

Message:

Good anisotropy of the manufacturing shrinkage. The talc is added to get the material shrinkage identical in both directions. Application for flat products in disc form /no screw after cooling off/ and for thick-walled products, at which the protection against the material failure is guaranteed. PA 6 for injection moulding with the content of 10 % glass fibre and 20% micromilled talc. Heat stabilized. Delivered in natural mode and in the full RAL colour scale.

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight Talc,20% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Uses	Thick-walled Parts		
Appearance	Colors Available Natural Color		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.36	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ISO 1133
Molding Shrinkage			STM 64 0808
Across Flow	0.70	%	
Flow	0.50	%	
Water Content	0.10	%	ISO 960
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	7800	MPa	ISO 527-2
Tensile Stress (Yield)	100	MPa	ISO 527-2
Tensile Strain (Yield)	3.0	%	ISO 527-2
Flexural Modulus	4700	MPa	ISO 178
Flexural Stress	135	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179
-20°C	3.5	kJ/m²	
23°C	3.5	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	40	kJ/m²	
23°C	45	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)	222	°C	ISO 3146
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+14	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms·cm	IEC 60093
Electric Strength	25	kV/mm	IEC 60243-1
Comparative Tracking Index	450	V	IEC 60112
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating	HB		UL 94
Glow Wire Ignition Temperature	650	°C	IEC 60695-2-13
Injection	**Nominal Value**	**Unit**	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	250 to 280	°C	
Mold Temperature	70.0 to 90.0	°C	
Injection Pressure	60.0 to 150	MPa	

Recommended distributors for this material

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