SLOVAMID® 6 T 30

Polyamide 6

Plastcom

Message:

Decreased shrinkage against the BT types, increased heat application up to 170°C. Increased modulus in tension - strength of the material. PA matrix reduction. Application eg. for tools, filling-in dowells. PA for injection moulding with the content of 30% micromilled talc. Delivered in natural mode and in the full RAL colour scale.

General Information			
Filler / Reinforcement	Talc,30% Filler by Weight		
Features	Good Stiffness Good Strength High Heat Resistance Low Shrinkage		
Appearance	Colors Available Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	PA 6		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.36	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ISO 1133
Molding Shrinkage			STM 64 0808
Across Flow	0.74	%	
Flow	0.85	%	
Water Content	0.15	%	ISO 960
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	6000	MPa	ISO 527-2
Tensile Stress (Yield)	110	MPa	ISO 527-2
Tensile Strain (Yield)	10	%	ISO 527-2
Flexural Modulus	5600	MPa	ISO 178
Flexural Stress	100	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179
-20°C	1.0	kJ/m²	
23°C	3.0	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	30	kJ/m²	
23°C	45	kJ/m²	

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	200	°C	ISO 75-2/B
Vicat Softening Temperature	200	°C	ISO 306/B
Melting Temperature (DSC)	220	°C	ISO 3146
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 270	°C	
Mold Temperature	50.0 to 70.0	°C	
Injection Pressure	70.0 to 120	MPa	

Recommended distributors for this material

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