

SLOVAMID® 66 T 30 HI TS

Polyamide 66

Plastcom

Message:

Modified PA 66 for injection moulding with the content of 30% microground, chemically modified talc. Increased strength, rigidity and thermal application up to 200°C depending on the talc content. Decreased shrinkage. Improved impact strenght. Delivered in the full RAL colour scale.

General Information			
Filler / Reinforcement	Talc,30% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Uses	Automotive Applications		
	Gears		
	Power/Other Tools		
Appearance	Colors Available		
	Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	PA 66		
Physical	Nominal Value	Unit	Test Method
Density	1.34	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (270°C/2.16 kg)	15	g/10 min	ISO 1133
Molding Shrinkage			STM 64 0808
Across Flow	0.80	%	
Flow	0.50	%	
Water Content	0.10	%	ISO 960
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5400	MPa	ISO 527-2
Tensile Stress (Yield)	75.0	MPa	ISO 527-2
Tensile Strain (Yield)	5.5	%	ISO 527-2
Flexural Modulus	3800	MPa	ISO 178
Flexural Stress	115	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	50	kJ/m ²	
23°C	70	kJ/m ²	

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	65.0	°C	ISO 75-2/B
Vicat Softening Temperature	185	°C	ISO 306/B
Melting Temperature (DSC)	260	°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 290	°C	
Mold Temperature	60.0 to 90.0	°C	
Injection Pressure	80.0 to 120	MPa	

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