

SLOVAMID® 66 CF 30 TS

Polyamide 66

Plastcom

Message:

Reinforced PA 66 with 30% carbon fibre, suitable for mouldings with high strength and toughness also at minus temperatures. Used in the automotive, engineering and electrical industry. Delivered in black color.

General Information			
Filler / Reinforcement	Carbon Fiber,30% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
	High Strength		
	Low Temperature Toughness		
	Ultra High Toughness		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
Appearance	Black		
	Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	PA 66		
Physical	Nominal Value	Unit	Test Method
Density	1.28	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (275°C/0.325 kg)	1.0	g/10 min	ISO 1133
Molding Shrinkage			STM 64 0808
Across Flow	0.48	%	
Flow	0.11	%	
Water Content	0.15	%	ISO 960
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	24500	MPa	ISO 527-2
Tensile Stress (Yield)	300	MPa	ISO 527-2
Tensile Strain (Yield)	3.0	%	ISO 527-2
Flexural Modulus	23800	MPa	ISO 178
Flexural Stress	420	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	10	kJ/m ²	
23°C	12	kJ/m ²	

Charpy Unnotched Impact Strength			ISO 179
-20°C	85	kJ/m ²	
23°C	90	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	240	°C	ISO 306/B
Melting Temperature (DSC)	262	°C	ISO 3146
Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	290 to 320	°C	
Mold Temperature	80.0 to 90.0	°C	
Injection Pressure	70.0 to 120	MPa	

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