

SLOVAMID® 66 CF 40

Polyamide 66

Plastcom

Message:

Chemically reinforced with 40% 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,40% Filler by Weight		
Features	Chemically Coupled		
	High Strength		
	Low Temperature Toughness		
	Ultra High Toughness		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
	Engineering Parts		
Appearance	Black		
	Colors Available		
	Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	PA 66		
Physical	Nominal Value	Unit	Test Method
Density	1.46	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	0.73	%	
Flow	0.56	%	
Water Content	0.15	%	ISO 960
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	17500	MPa	ISO 527-2
Tensile Stress (Yield)	230	MPa	ISO 527-2
Tensile Strain (Yield)	2.0	%	ISO 527-2
Flexural Modulus	14800	MPa	ISO 178
Flexural Stress	320	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	12	kJ/m ²	

23°C	13	kJ/m ²	
Charpy Unnotched Impact Strength		ISO 179	
-20°C	80	kJ/m ²	
23°C	95	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	250	°C	ISO 306/B
Melting Temperature (DSC)	260	°C	ISO 3146
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	280 to 300	°C	
Mold Temperature	80.0 to 90.0	°C	
Injection Pressure	70.0 to 120	MPa	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

