

Plastcom SLOVAMID 66 CF 20 Polyamide 66, 20% Carbon Fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 20% Carbon Fiber Filled

Material Notes:

Features Chemically reinforced with 20% carbon fiber, suitable for mouldings with high strength and toughness also at low temperatures. Used in the automotive, engineering and electrical industry. Application: hobby tools, covers of electrotools, electromotors, cooling screws of blowers, gear wheels, carrying parts in the automotive industry like brake cables. Delivered in natural and in the full RAL color scale. Application: Injection Moulding Information Provided by Plastcom spol. s r.o.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plastcom-SLOVAMID-66-CF-20-Polyamide-66-20-Carbon-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in ³	STN 64 0111
Linear Mold Shrinkage	0.0079 cm/cm	0.0079 in/in	STN 64 0808
Linear Mold Shrinkage, Transverse	0.0019 cm/cm	0.0019 in/in	STN 64 0808
Melt Flow	3.0 g/10 min @Load 2.16 kg, Temperature 230 °C	3.0 g/10 min @Load 4.76 lb, Temperature 446 °F	STN EN ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	230 MPa	33400 psi	STN EN ISO 527-2
Elongation at Break	2.5 %	2.5 %	STN EN ISO 527-2
Tensile Modulus	17.0 GPa	2470 ksi	STN EN ISO 527-2
Flexural Strength	200 MPa	29000 psi	STN EN ISO 178
Flexural Modulus	15.0 GPa	2180 ksi	STN EN ISO 178
Charpy Impact Unnotched	4.10 J/cm ² @Temperature -20.0 °C	19.5 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179
	5.00 J/cm ² @Temperature 23.0 °C	23.8 ft-lb/in ² @Temperature 73.4 °F	STN EN ISO 179
Charpy Impact, Notched	0.400 J/cm ² @Temperature -20.0 °C	1.90 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179
	0.600 J/cm ² @Temperature 23.0 °C	2.86 ft-lb/in ² @Temperature 73.4 °F	STN EN ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	260 °C	500 °F	DSC; STN EN ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	250 °C	482 °F	STN EN ISO 75/A
Vicat Softening Point	250 °C	482 °F	B; STN EN ISO 306
Flammability, UL94	HB	HB	
Glow Wire Test	650 °C	1200 °F	STN IEC 60695-2-10

Processing Properties	Metric	English	Comments
Melt Temperature	280 - 300 °C	536 - 572 °F	
Mold Temperature	60.0 - 90.0 °C	140 - 194 °F	
Drying Temperature	80.0 °C	176 °F	
Dry Time	4 hour	4 hour	
Moisture Content	0.15 %	0.15 %	STN EN ISO 960
Injection Pressure	70.0 - 120 MPa	10200 - 17400 psi	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China