

Plastcom SLOVAMID 66 W 40 Polyamide 66, 40% Mineral Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 40% Mineral Filled

Material Notes:

FeaturesPA 66 with the content of 40% chemically modified mineral filler. Used for grips of electric hand tools, hobby tools, gear wheels, covers of electric tools, flat products, automobile wheel covers, bodies of air filters. High toughness also at low temperatures. Toughness achieves the rates of PA 6 GF 30. Lower abrasion of the manufacturing facilities. Excellent dimensional stability. Delivered in natural and in the full RAL color scale.Application: Injection MouldingInformation Provided by Plastcom spol. s r.o.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plastcom-SLOVAMID-66-W-40-Polyamide-66-40-Mineral-Filled.php

Physical Properties	Metric	English	Comments
Density	1.53 g/cc	0.0553 lb/in ³	STN 64 0111
Linear Mold Shrinkage	0.0158 cm/cm	0.0158 in/in	STN 64 0808
Linear Mold Shrinkage, Transverse	0.0168 cm/cm	0.0168 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	80.0 MPa	11600 psi	STN EN ISO 527-2
Elongation at Break	4.0 %	4.0 %	STN EN ISO 527-2
Tensile Modulus	5.00 GPa	725 ksi	STN EN ISO 527-2
Flexural Strength	130 MPa	18900 psi	STN EN ISO 178
Flexural Modulus	4.80 GPa	696 ksi	STN EN ISO 178
Charpy Impact Unnotched	6.00 J/cm ² @Temperature 23.0 °C	28.6 ft-lb/in ² @Temperature 73.4 °F	STN EN ISO 179
	6.00 J/cm ² @Temperature -20.0 °C	28.6 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179
Charpy Impact, Notched	0.200 J/cm ² @Temperature -20.0 °C	0.952 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179
	0.300 J/cm ² @Temperature 23.0 °C	1.43 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)	90.0 °C	194 °F	STN EN ISO 75/A
Vicat Softening Point	240 °C	464 °F	B; STN EN ISO 306
Flammability, UL94	HB	HB	
Glow Wire Test	650 °C	1200 °F	STN IEC 60695-2-10

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+17 ohm-cm	1.00e+17 ohm-cm	STN IEC 60093
Surface Resistance	1.00e+13 ohm	1.00e+13 ohm	STN IEC 60093
Dielectric Strength	40.0 kV/mm	1020 kV/in	STN IEC 60243
Comparative Tracking Index	550 V	550 V	STN 34 6468

Processing Properties	Metric	English	Comments
Melt Temperature	280 - 310 °C	536 - 590 °F	
Mold Temperature	80.0 - 120 °C	176 - 248 °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	

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