

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

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

Material Notes:

Features PA 66 with the content of 40% chemically modified mineral filling. Used for holders of electric hand tools, hobby tools, gears, covers of electric tools, flat products, automobile wheel covers. High tensile strength and modulus. Excellent dimensional stability.

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-T-40-Polyamide-66-40-Mineral-Filled.php

Physical Properties	Metric	English	Comments
Density	1.50 g/cc	0.0542 lb/in ³	STN 64 0111
Linear Mold Shrinkage	0.0115 cm/cm	0.0115 in/in	STN 64 0808
Linear Mold Shrinkage, Transverse	0.0119 cm/cm	0.0119 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	70.0 MPa	10200 psi	STN EN ISO 527-2
Elongation at Break	2.0 %	2.0 %	STN EN ISO 527-2
Tensile Modulus	5.80 GPa	841 ksi	STN EN ISO 527-2
Flexural Strength	120 MPa	17400 psi	STN EN ISO 178
Flexural Modulus	6.00 GPa	870 ksi	STN EN ISO 178
Charpy Impact Unnotched	3.10 J/cm ² @Temperature -20.0 °C	14.8 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179
	3.20 J/cm ² @Temperature 23.0 °C	15.2 ft-lb/in ² @Temperature 73.4 °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
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Melting Point Thermal Properties	260 °C Metric	500 °F English	DSC: STN EN ISO 3146 Comments
Deflection Temperature at 1.8 MPa (264 psi)	135 °C	275 °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	500 V	500 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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