

Plastcom SLOVAMID 6 BT LS Polyamide 6, UV Stabilized

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

FeaturesPA 6 for injection moulding with the content of UV stabilizer predetermines products for external use, eg. seats for sport stadiums, covers of electrical appliances. 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-6-BT-LS-Polyamide-6-UV-Stabilized.php

Physical Properties	Metric	English	Comments
Density	1.12 g/cc	0.0405 lb/in ³	STN 64 0111
Linear Mold Shrinkage	0.018 cm/cm	0.018 in/in	STN 64 0808
Linear Mold Shrinkage, Transverse	0.0183 cm/cm	0.0183 in/in	STN 64 0808
Melt Flow	6.0 g/10 min @Load 2.16 kg, Temperature 230 °C	6.0 g/10 min @Load 4.76 lb, Temperature 446 °F	STN EN ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	82.0 MPa	11900 psi	STN EN ISO 527-2
Elongation at Break	4.0 %	4.0 %	STN EN ISO 527-2
Tensile Modulus	3.00 GPa	435 ksi	STN EN ISO 527-2
Flexural Strength	115 MPa	16700 psi	STN EN ISO 178
Flexural Modulus	2.60 GPa	377 ksi	STN EN ISO 178
Charpy Impact Unnotched	7.50 J/cm ² @Temperature -20.0 °C	35.7 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179
	12.0 J/cm ² @Temperature 23.0 °C	57.1 ft-lb/in ² @Temperature 73.4 °F	STN EN ISO 179
Charpy Impact, Notched	0.150 J/cm ² @Temperature 23.0 °C	0.714 ft-lb/in ² @Temperature 73.4 °F	STN EN ISO 179
	0.150 J/cm ² @Temperature -20.0 °C	0.714 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179

Thermal Properties	Metric	English	Comments
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Melting Point Thermal Properties	220 °C Metric	428 °F English	DSC- STN EN ISO 3146 Comments
Deflection Temperature at 1.8 MPa (264 psi)	50.0 °C	122 °F	STN EN ISO 75/A
Vicat Softening Point	190 °C	374 °F	B; STN EN ISO 306
Flammability, UL94	HB	HB	
Glow Wire Test	960 °C	1760 °F	STN IEC 60695-2-10

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	STN IEC 60093
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	STN IEC 60093
Dielectric Strength	18.0 kV/mm	457 kV/in	STN IEC 60243
Comparative Tracking Index	600 V	600 V	STN 34 6468

Processing Properties	Metric	English	Comments
Melt Temperature	250 - 270 °C	482 - 518 °F	
Mold Temperature	60.0 - 80.0 °C	140 - 176 °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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