

Plastcom SLOVAMID 6 G 5 Polyamide 6, 5% Graphite

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

Features PA 6 for injection moulding with addition of 5% graphite, the PA surface rolling resistance force is significantly lowered. Used mainly in the product of crates and cases for bearings, sliding bolts and slides. Delivered in black. 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-6-G-5-Polyamide-6-5-Graphite.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in ³	STN 64 0111
Linear Mold Shrinkage	0.012 cm/cm	0.012 in/in	STN 64 0808
Linear Mold Shrinkage, Transverse	0.0165 cm/cm	0.0165 in/in	STN 64 0808
Melt Flow	10 g/10 min @Load 2.16 kg, Temperature 230 °C	10 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	7.0 %	7.0 %	STN EN ISO 527-2
Tensile Modulus	3.90 GPa	566 ksi	STN EN ISO 527-2
Flexural Strength	110 MPa	16000 psi	STN EN ISO 178
Flexural Modulus	2.60 GPa	377 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	0.300 J/cm ² @Temperature 23.0 °C	1.43 ft-lb/in ² @Temperature 73.4 °F	STN EN ISO 179
	0.300 J/cm ² @Temperature -20.0 °C	1.43 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	200 °C	392 °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	250 - 270 °C	482 - 518 °F	
Mold Temperature	50.0 - 80.0 °C	122 - 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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