

Plastcom SLOVAMID 6 OB Polyamide 6, Optically Brightened

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

FeaturesPA 6 for injection moulding, optical brightened, for mouldings with high surface brightness, with increased toughness and tensile modulus in comparison with the basic type. The microcrystal structure guarantees the isotropy of mechanical properties. Use in the engineering and electrical industry. Delivered in natural color.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-OB-Polyamide-6-Optically-Brightened.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	STN 64 0111
Linear Mold Shrinkage	0.0144 cm/cm	0.0144 in/in	STN 64 0808
Linear Mold Shrinkage, Transverse	0.0144 cm/cm	0.0144 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	85.0 MPa	12300 psi	STN EN ISO 527-2
Elongation at Break	3.5 %	3.5 %	STN EN ISO 527-2
Tensile Modulus	3.40 GPa	493 ksi	STN EN ISO 527-2
Flexural Strength	115 MPa	16700 psi	STN EN ISO 178
Flexural Modulus	2.95 GPa	428 ksi	STN EN ISO 178
Charpy Impact Unnotched	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	STN EN ISO 179
	NB @Temperature -20.0 °C	NB @Temperature -4.00 °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
	0.500 J/cm ² @Temperature 23.0 °C	2.38 ft-lb/in ² @Temperature 73.4 °F	STN EN ISO 179

Thermal Properties	Metric	English	Comments
--------------------	--------	---------	----------

Melting Point Thermal Properties	220 °C Metric	428 °F English	DSC- STN EN ISO 3146 Comments
Deflection Temperature at 1.8 MPa (264 psi)	55.0 °C	131 °F	STN EN ISO 75/A
Vicat Softening Point	190 °C	374 °F	B; STN EN ISO 306
Flammability, UL94	V-2	V-2	
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
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	

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