

Plastcom SLOVASTER® B BT Polyethylene Terephthalate

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT)

Material Notes:

FeaturesPBT basic type for injection moulding. Melt is characterized by outstanding fluidity, which enables injection moulding of complicated and divided products also on multiple moulds. Anisotropy of shrinkage enables injection moulding of round, cylindrical or other hole products. 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-SLOVASTER-B-BT-Polyethylene-Terephthalate.php

Physical Properties	Metric	English	Comments
Density	1.31 g/cc	0.0473 lb/in ³	STN 64 0111
Linear Mold Shrinkage	0.018 cm/cm	0.018 in/in	STN 64 0808
Linear Mold Shrinkage, Transverse	0.0193 cm/cm	0.0193 in/in	STN 64 0808
Melt Flow	40 g/10 min @Load 2.16 kg, Temperature 230 °C	40 g/10 min @Load 4.76 lb, Temperature 446 °F	STN EN ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	55.0 MPa	7980 psi	STN EN ISO 527-2
Elongation at Break	8.0 %	8.0 %	STN EN ISO 527-2
Tensile Modulus	2.50 GPa	363 ksi	STN EN ISO 527-2
Flexural Strength	80.0 MPa	11600 psi	STN EN ISO 178
Flexural Modulus	2.50 GPa	363 ksi	STN EN ISO 178
Charpy Impact Unnotched	13.0 J/cm ² @Temperature 23.0 °C	61.9 ft-lb/in ² @Temperature 73.4 °F	STN EN ISO 179
	13.0 J/cm ² @Temperature -20.0 °C	61.9 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179
Charpy Impact, Notched	0.160 J/cm ² @Temperature 23.0 °C	0.761 ft-lb/in ² @Temperature 73.4 °F	STN EN ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	200 - 220 °C	392 - 428 °F	DSC; STN EN ISO 3146

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (184 psi)	55.0 °C	131 °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	850 °C	1560 °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+15 ohm	1.00e+15 ohm	STN IEC 60093
Dielectric Strength	23.0 kV/mm	584 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	50.0 - 80.0 °C	122 - 176 °F	
Drying Temperature	120 °C	248 °F	
Dry Time	4 hour	4 hour	
Moisture Content	0.050 %	0.050 %	STN EN ISO 960
Injection Pressure	60.0 - 100 MPa	8700 - 14500 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