

Plastcom SLOVASTYR® B BT BK PBT

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

Material Notes:

Regranulate PBT basic type for injection molding. Melt is characterized by very good fluidity, which enables injection molding of complicated and divided products also on multiple moulds. Anisotropy of shrinkage enables injection molding of round, cylindrical or other hole products. Delivered in black color. Information Provided by Plastcom spol. s r.o.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plastcom-SLOVASTYR-B-BT-BK-PBT.php

Physical Properties	Metric	English	Comments
Density	1.31 g/cc	0.0473 lb/in ³	STN EN ISO 1183-1

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	50.0 MPa	7250 psi	STN EN ISO 527-2
Tensile Modulus	2.00 GPa	290 ksi	STN EN ISO 527-2
Flexural Strength	85.0 MPa	12300 psi	STN EN ISO 178
Flexural Modulus	2.00 GPa	290 ksi	STN EN ISO 178
Charpy Impact Unnotched	2.50 J/cm ²	11.9 ft-lb/in ²	STN EN ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	2.50 J/cm ²	11.9 ft-lb/in ²	STN EN ISO 179
	@Temperature -20.0 °C	@Temperature -4.00 °F	
Charpy Impact, Notched	0.200 J/cm ²	0.952 ft-lb/in ²	STN EN ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.200 J/cm ²	0.952 ft-lb/in ²	STN EN ISO 179
	@Temperature -20.0 °C	@Temperature -4.00 °F	

Thermal Properties	Metric	English	Comments
Melting Point	200 - 220 °C	392 - 428 °F	STN EN 11357-1

Processing Properties	Metric	English	Comments
Melt Temperature	250 - 270 °C	482 - 518 °F	
Mold Temperature	50.0 - 80.0 °C	122 - 176 °F	
	120 °C	248 °F	

Processing Properties	Metric	English	Comments
Moisture Content	0.15 % @ Time 14400 sec	0.15 % @ Time 4.00 hour	STN EN ISO 3344
Injection Pressure	60.0 - 100 MPa	8700 - 14500 psi	

Descriptive Properties	Value	Comments
Color	Black	

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