

Plastcom SLOVASTYR® E BT N PET

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET)

Material Notes:

Basic type PET for injection molding, modified for general use, with excellent manufacturing properties. Use: automotive, engineering, electrical and consumer-goods industry - electrical tools, fasteners, clamps, hobby tools, toys. Delivered in the natural mode. Information Provided by Plastcom spol. s r.o.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plastcom-SLOVASTYR-E-BT-N-PET.php

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in ³	STN EN ISO 1183-1
Melt Flow	15 g/10 min @Load 0.325 kg, Temperature 275 °C	15 g/10 min @Load 0.716 lb, Temperature 527 °F	STN EN ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	60.0 MPa	8700 psi	STN EN ISO 527-2
Elongation at Break	3.5 %	3.5 %	STN EN ISO 527-2
Tensile Modulus	1.60 GPa	232 ksi	STN EN ISO 527-2
Flexural Strength	70.0 MPa	10200 psi	STN EN ISO 178
Flexural Modulus	1.50 GPa	218 ksi	STN EN ISO 178
Charpy Impact, Notched	0.100 J/cm ² @Temperature 23.0 °C	0.476 ft-lb/in ² @Temperature 73.4 °F	STN EN ISO 179
	0.100 J/cm ² @Temperature -20.0 °C	0.476 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	260 °C	500 °F	STN EN 11357-1

Processing Properties	Metric	English	Comments
Melt Temperature	260 - 290 °C	500 - 554 °F	
Mold Temperature	70.0 - 80.0 °C	158 - 176 °F	
Drying Temperature	110 °C	230 °F	

Processing Properties	@Time 14400 sec Metric	@Time 4.00 hour English	Comments
Moisture Content	0.10 %	0.10 %	STN EN ISO 3344
Injection Pressure	20.0 - 60.0 MPa	2900 - 8700 psi	

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