

Polykemi AB POLYlux 4010 MP PC/PBT-Blend

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/Polybutylene Terephthalate (PBT) Blend, Unreinforced , Polyester, TP , Polybutylene Terephthalate (PBT)

Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polykemi-AB-POLYlux-4010-MP-PCPBT-Blend.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.0070 - 0.010 cm/cm	0.0070 - 0.010 in/in	With Flow; ISO 2577
	0.0070 - 0.010 cm/cm	0.0070 - 0.010 in/in	Across Flow; ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 50.0 MPa	<= 7250 psi	ISO/R527
Flexural Strength	<= 80.0 MPa	<= 11600 psi	ISO 178
Flexural Modulus	2.00 GPa @Temperature 23.0 °C	290 ksi @Temperature 73.4 °F	ISO 178
Charpy Impact Unnotched	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	ISO 179
	NB @Temperature -20.0 °C	NB @Temperature -4.00 °F	ISO 179
Charpy Impact, Notched	4.00 J/cm ² @Temperature -20.0 °C	19.0 ft-lb/in ² @Temperature -4.00 °F	ISO 179
	4.50 J/cm ² @Temperature 23.0 °C	21.4 ft-lb/in ² @Temperature 73.4 °F	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	115 °C	239 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	95.0 °C	203 °F	120°C/h; ISO 75/1
Vicat Softening Point	120 °C @Load 5.001 kg	248 °F @Load 11.03 lb	50°C/h; ISO 306

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