

Toyobo VYLOPET® CA3300 PC/PBT Polymer Alloy, Impact Resistant, Chemical Resistant

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

Material Notes:

Applications: Lamp partsHome electric appliance partsFeatures: Fine appearanceSurface lusterImpact resistantChemical resistantInformation provided by Toyobo.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Toyobo-VYLOPET-CA3300-PCPBT-Polymer-Alloy-Impact-Resistant-Chemical-Resistant.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in ³	ASTM D792
Water Absorption	0.20 %	0.20 %	24 hrs at 23°C; ASTM D570
Linear Mold Shrinkage, Flow	0.0070 cm/cm @Thickness 3.00 mm	0.0070 in/in @Thickness 0.118 in	MD
Linear Mold Shrinkage, Transverse	0.0070 cm/cm @Thickness 3.00 mm	0.0070 in/in @Thickness 0.118 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	66.0 MPa	9570 psi	ASTM D638
Elongation at Break	140 %	140 %	ASTM D638
Flexural Strength	96.0 MPa	13900 psi	ASTM D790
Flexural Modulus	2.60 GPa	377 ksi	ASTM D790
Izod Impact, Notched	0.820 J/cm	1.54 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	125 °C	257 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	112 °C	234 °F	ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	ASTM D257

Processing Properties	Metric	English	Comments
Processing Temperature	270 °C	518 °F	Molding temperature
Mold Temperature	70.0 °C	158 °F	
Drying Temperature	130 °C	266 °F	
Dry Time	3 hour	3 hour	

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