

Toyobo ECOVYLOPET® EMC2330 PET Bottle Recycling Grade, 30% Glass Reinforced

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), 30% Glass Reinforced

Material Notes:

Features: PET Bottle Recycling Grade, 30% Glass Fiber Reinforced, General Purpose
Applications: Automobile engine head covers
Hot plates
Vending machine parts
Umbrella ribs
Information provided by Toyobo.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Toyobo-ECOVYLOPET-EMC2330-PET-Bottle-Recycling-Grade-30-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.59 g/cc	0.0574 lb/in ³	
Water Absorption	0.060 %	0.060 %	24 hrs at 23°C
Linear Mold Shrinkage, Flow	0.0030 cm/cm @Thickness 2.00 mm	0.0030 in/in @Thickness 0.0787 in	
Linear Mold Shrinkage, Transverse	0.0090 cm/cm	0.0090 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	95	95	
Tensile Strength at Break	142 MPa	20600 psi	
Elongation at Break	2.2 %	2.2 %	
Modulus of Elasticity	10.0 GPa	1450 ksi	
Flexural Strength	195 MPa	28300 psi	
Izod Impact, Notched	0.810 J/cm	1.52 ft-lb/in	

Thermal Properties	Metric	English	Comments
CTE, linear	40.0 μm/m-°C @Temperature 20.0 °C	22.2 μin/in-°F @Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	245 °C	473 °F	0.455 MPa
Deflection Temperature at 1.8 MPa (264 psi)	220 °C	428 °F	

Processing Properties	Metric	English	Comments
Mold Temperature	110 °C	230 °F	

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