

## Toyobo ECOVYLOPET® EMC2311 PET Bottle Recycling Grade, 10% Glass Reinforced

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), 10% Glass Reinforced

### Material Notes:

Features: PET Bottle Recycling Grade, 10% 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-EMC2311-PET-Bottle-Recycling-Grade-10-Glass-Reinforced.php](http://www.lookpolymers.com/polymer_Toyobo-ECOVYLOPET-EMC2311-PET-Bottle-Recycling-Grade-10-Glass-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.38 g/cc	0.0499 lb/in <sup>3</sup>	
Water Absorption	0.050 %	0.050 %	24 hrs at 23°C
Linear Mold Shrinkage, Flow	0.0040 cm/cm @Thickness 2.00 mm	0.0040 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	90	90	
Tensile Strength at Break	80.0 MPa	11600 psi	
Elongation at Break	3.1 %	3.1 %	
Modulus of Elasticity	4.20 GPa	609 ksi	
Flexural Strength	125 MPa	18100 psi	
Izod Impact, Notched	0.700 J/cm	1.31 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)	235 °C	455 °F	0.455 MPa
Deflection Temperature at 1.8 MPa (264 psi)	205 °C	401 °F	

Processing Properties	Metric	English	Comments
Mold Temperature	120 °C	248 °F	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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