

## Toyobo ECOVYLOPET® EMC2301 PET Bottle Recycling Grade, 15% Filler Reinforced

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

### Material Notes:

Features: PET Bottle Recycling Grade, 15% Filler 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-EMC2301-PET-Bottle-Recycling-Grade-15-Filler-Reinforced.php](http://www.lookpolymers.com/polymer_Toyobo-ECOVYLOPET-EMC2301-PET-Bottle-Recycling-Grade-15-Filler-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.44 g/cc	0.0520 lb/in <sup>3</sup>	
Water Absorption	0.060 %	0.060 %	24 hrs at 23°C
Linear Mold Shrinkage, Flow	0.012 cm/cm @Thickness 2.00 mm	0.012 in/in @Thickness 0.0787 in	
Linear Mold Shrinkage, Transverse	0.013 cm/cm	0.013 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	90	90	
Tensile Strength at Break	55.0 MPa	7980 psi	
Elongation at Break	1.8 %	1.8 %	
Modulus of Elasticity	4.40 GPa	638 ksi	
Flexural Strength	100 MPa	14500 psi	
Izod Impact, Notched	0.400 J/cm	0.749 ft-lb/in	

Thermal Properties	Metric	English	Comments
CTE, linear	45.0 μm/m-°C @Temperature 20.0 °C	25.0 μin/in-°F @Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	200 °C	392 °F	0.455 MPa

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

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

**Website : [www.lookpolymers.com](http://www.lookpolymers.com)**

**Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)**

**Tel : +86 021-51131842**

**Mobile : +86 13061808058**

**Skype : lookpolymers**

**Address : United North Road 215,Fengxian District, Shanghai City,China**