

## Eastman Eastar 6763 PETG Copolyester

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

### Material Notes:

ISO data as provided by the manufacturer, Eastman Chemical

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Eastman-Eastar-6763-PETG-Copolyester.php](http://www.lookpolymers.com/polymer_Eastman-Eastar-6763-PETG-Copolyester.php)

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 lb/in <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.0020 - 0.0050 cm/cm	0.0020 - 0.0050 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	48.0 MPa	6960 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	
Elongation at Yield	4.2 %	4.2 %	
Tensile Modulus	2.09 GPa	303 ksi	1mm/min
Charpy Impact Unnotched	NB	NB	
	NB	NB	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	0.670 J/cm <sup>2</sup>	3.19 ft-lb/in <sup>2</sup>	
	0.420 J/cm <sup>2</sup>	2.00 ft-lb/in <sup>2</sup>	
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	77.0 μm/m-°C	42.8 μin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
CTE, linear, Transverse to Flow	83.0 μm/m-°C	46.1 μin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Specific Heat Capacity	1.30 J/g-°C	0.311 BTU/lb-°F	
Deflection Temperature at 0.46 MPa (66 psi)	70.0 °C	158 °F	
Deflection Temperature at 1.8 MPa (264 psi)	66.0 °C	151 °F	

Vicat Softening Point Thermal Properties	74.0 °C Metric	165 °F English	Comments
Glass Transition Temp, Tg	81.0 °C	178 °F	
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	V-2	V-2	
	@Thickness 3.20 mm	@Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	>= 1.00e+15 ohm-cm	>= 1.00e+15 ohm-cm	
Surface Resistance	>= 1.00e+15 ohm	>= 1.00e+15 ohm	
Dielectric Strength	16.0 kV/mm	406 kV/in	
Dissipation Factor	0.020	0.020	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	

Processing Properties	Metric	English	Comments
Melt Temperature	250 - 270 °C	482 - 518 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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