

## Eastman Eastar GN007 PETG Copolyester

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

### 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-GN007-PETG-Copolyester.php](http://www.lookpolymers.com/polymer_Eastman-Eastar-GN007-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	50.0 MPa	7250 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	
Elongation at Yield	3.9 %	3.9 %	
Tensile Modulus	1.88 GPa	273 ksi	1mm/min
Charpy Impact Unnotched	NB	NB	
	NB	NB	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	0.960 J/cm <sup>2</sup>	4.57 ft-lb/in <sup>2</sup>	
	0.370 J/cm <sup>2</sup>	1.76 ft-lb/in <sup>2</sup>	
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	100 µm/m-°C	55.6 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
CTE, linear, Transverse to Flow	94.0 µm/m-°C	52.2 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Specific Heat Capacity	1.30 J/g-°C	0.311 BTU/lb-°F	
Thermal Conductivity	0.190 W/m-K	1.32 BTU-in/hr-ft <sup>2</sup> -°F	
Deflection Temperature at 0.46 MPa (66 psi)	69.0 °C	156 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (1.8 MPa)	63.0 °C	145 °F	
Vicat Softening Point	76.0 °C	169 °F	
Glass Transition Temp, Tg	80.0 °C	176 °F	

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

## Contact Songhan Plastic Technology Co.,Ltd.

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