

## Eastman Eastar DN007 PCTG Copolyester (discontinued \*\*)

Category : Polymer , Thermoplastic , Polyester, TP , Polycyclohexylenedimethylene Terephthalate (PCT) , Glycol-Modified PCT (PCTG) 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-DN007-PCTG-Copolyester-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Eastman-Eastar-DN007-PCTG-Copolyester-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 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	42.0 MPa	6090 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	
Elongation at Yield	4.1 %	4.1 %	
Tensile Modulus	1.30 GPa	189 ksi	1mm/min
Charpy Impact Unnotched	NB	NB	
	NB	NB	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	6.10 J/cm <sup>2</sup>	29.0 ft-lb/in <sup>2</sup>	Partial Break
	0.590 J/cm <sup>2</sup>	2.81 ft-lb/in <sup>2</sup>	
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	97.0 μm/m-°C	53.9 μin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
CTE, linear, Transverse to Flow	73.0 μm/m-°C	40.6 μin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Melting Point	224 °C	435 °F	
Deflection Temperature at 0.46 MPa (66 psi)	73.0 °C	163 °F	
Deflection Temperature at 1.8 MPa (264 psi)	66.0 °C	151 °F	

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	84.0 °C	183 °F	

Processing Properties	Metric	English	Comments
Melt Temperature	275 - 295 °C	527 - 563 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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