

Eastman Eastar GN102 Copolyester (discontinued **)

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

Material Notes:

Eastar GN102 copolyester is a glycol modified polyethylene terephthalate (PET) that contains an ultraviolet inhibitor and mold release.

Eastar GN102 copolyester will not crystallize and thus offers wider processing latitude than conventional crystallizable polyesters. This material offers an excellent combination of clarity, toughness, and melt strength that makes it useful for a variety of processing techniques and end-use applications. Applications/Uses Lighting

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eastman-Eastar-GN102-Copolyester-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.27 g/cc	1.27 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	117	117	ASTM D785
Tensile Strength at Break	26.0 MPa	3770 psi	ASTM D638
Tensile Strength, Yield	51.0 MPa	7400 psi	ASTM D638
Elongation at Break	72 %	72 %	ASTM D638
Elongation at Yield	4.0 %	4.0 %	ASTM D638
Flexural Strength	72.0 MPa	10400 psi	ASTM D790
Flexural Modulus	2.10 GPa	305 ksi	ASTM D790
Izod Impact, Notched	0.480 J/cm	0.899 ft-lb/in	ASTM D256
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	0.530 J/cm	0.993 ft-lb/in	ASTM D256
	@Temperature -40.0 °C	@Temperature -40.0 °F	
Izod Impact, Unnotched	NB	NB	ASTM D4812
	NB	NB	ASTM D4812
	@Temperature -40.0 °C	@Temperature -40.0 °F	

Processing Properties	Metric	English	Comments
Melt Temperature	210 - 270 °C	410 - 518 °F	Extrusion
	250 - 270 °C	482 - 518 °F	Injection Molding

Mold Temperature Processing Properties	15.0 - 40.0 °C Metric	59.0 - 104 °F English	Comments
Drying Temperature	70.0 °C	158 °F	
Dry Time	6 hour	6 hour	

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