

Eastman Tritan GX100 Copolyester

Category : Polymer , Thermoplastic , Polyester, TP

Material Notes:

Eastman Tritan copolyester GX100's strength, clarity and temperature resistance make it ideal for demanding applications. Extruded Sheet is manufactured with Eastman's Tritan copolyester GX100 resin in a thickness range from 0.080" to 0.250". It is readily available in clear with colors available upon request. Application/Uses Building and construction Displays Durables Electronics Signs Transportation and outdoor vehicles Key Attributes Does not contain Bisphenol-A (BPA) Does not contain plasticizers Ease of fabrication High impact Temperature resistance Thermoforming Transparent Information was provided by Eastman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eastman-Tritan-GX100-Copolyester.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.18 g/cc	1.18 g/cc	ASTM D792
Water Absorption	0.18 %	0.18 %	Immersion; ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Thickness	2970 microns	117 mil	Thickness of film tested; ASTM D374

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	114	114	ASTM D785
Tensile Strength at Break	46.0 MPa	6670 psi	ASTM D638
Tensile Strength, Yield	45.0 MPa	6530 psi	ASTM D638
Elongation at Break	133 %	133 %	ASTM D638
Elongation at Yield	7.0 %	7.0 %	ASTM D638
Flexural Modulus	1.483 GPa	215.1 ksi	ASTM D790
Izod Impact, Notched	1.33 J/cm	2.49 ft-lb/in	ASTM D256
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	10.06 J/cm	18.85 ft-lb/in	
	@Temperature 0.000 °C	@Temperature 32.0 °F	ASTM D256
	10.11 J/cm	18.94 ft-lb/in	ASTM D256
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Izod Impact, Unnotched	12.14 J/cm	22.74 ft-lb/in	ASTM D4812
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Mechanical Properties	^{NB} Metric	^{NB} English	Comments
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	NB	NB	ASTM D4812
	@Temperature 0.000 °C	@Temperature 32.0 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	99.2 °C	211 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	90.9 °C	196 °F	ASTM D648
Vicat Softening Point	110 °C	230 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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