

Tritan™ GX100

Copolyester
Eastman Chemical Company

Message:

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.

General Information			
UL YellowCard	E118289-101981964		
Features	High Impact Resistance		
Uses	Construction Applications		
	Decorative Displays		
	Electrical/Electronic Applications		
	Electronic Displays		
	Sheet		
Appearance	Clear/Transparent		
	Colors Available		
Processing Method	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792
Water Absorption (23°C, 24 hr)	0.18	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	114		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, 23°C	45.0	MPa	
Break, 23°C	46.0	MPa	
Tensile Elongation			ASTM D638
Yield, 23°C	7.0	%	
Break, 23°C	130	%	
Flexural Modulus (23°C)	1480	MPa	ASTM D790
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	3000	µm	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C	130	J/m	
0°C	1000	J/m	
23°C	1000	J/m	

Unnotched Izod Impact			ASTM D4812
-30°C	1200	J/m	
0°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	99.2	°C	
1.8 MPa, Unannealed	90.9	°C	
Vicat Softening Temperature	110	°C	ASTM D1525

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

