

Description

Evergreen PETG (Polyethylene Terephthalate Glycol) is a high gloss, transparent co-polyester film. It has excellent printability and thermoforming properties for easy molding, as well as superior heat and chemical sealing performance. Evergreen PETG film is widely used for packaging of electronics, cosmetics, toys, medical equipment, stationery and gifts. It is consistent with FDA food contact requirements. It can also be used signage and graphics applications such as labels, signs, and cards. Evergreen PETG is available in rolls and sheets, and material thicknesses of 0.175mm – 12mm (.007” – .500”).

Typical Property Values

Property	Item	Test Method	Unit	Value
	Density	ASTM D792-2007	g/cm3	1.27
Physical	Tensile Strength	MD	ASTM D882-10 (Specimen width:25mm)	52.2
		CD		49.9
	Elongation at break	MD	ASTM D882-10 (Testing speed: 50mm/min Grip separation:100mm)	477
		CD		768
	Tensile modulus	MD	ASTM D638-10 (Specimen: Type I Testing Speed:5mm/min)	2110
		CD		2070
	Impact Resistance	ASTM D1709-09 Method B	g	822
Optical	Haze	ASTM D1003-07ε1 Method A (Light Source Type: C)	%	1.4
	Total Luminous Transmittance		%	90.6
Thermal	Glass Transition Temperature(Tg)	ISO11357-2:1999 DSC	°C	80.15
Electrical	Surface Resistance (only for anti-static grade)	ASTM D257	Ω	10 ⁹ -10 ¹¹

PETG Roll and Sheet Specifications

Property	Specifications
Thickness	0.175mm – 12mm (.007” – .500”)
Width	500 – 1220mm (20” – 48”): Customs widths are available upon request
Color	Clear and customs colors are available upon request
Surface Finish	Polished/Polished and Polished/Matte

4' by 8' sheets available in stock in the following gauges: .015", .020", .030", .040", .060", .080", .118", .177" and .236"

Remarks

1. The above reported values are based on a material thickness of 0.36mm unless otherwise specified.
2. The data presented above represent values from our testing of the material. It is the responsibility of the user to test and confirm that our materials are suitable for their intended applications. All information and technical assistance is given without warranty or guarantee and is subject to change without notice.
3. Unless otherwise agreed to in writing, all products are sold strictly pursuant to our standard conditions of sale.
4. Please contact your Evergreen Plastics sales representative for any questions or inquires regarding special applications.

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