

EVERGREEN PLASTICS

PETG

HIGH QUALITY SPECIALTY FILMS

Evergreen's PETG (Polyethylene Terephthalate Glycol) is a high gloss, highly transparent co-polyester film. It has excellent thermoforming properties for easy molding, as well as heat sealing performance. It is printable and provides good weatherability and is suitable for outdoor use (with UV additive). 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 for signage and graphics applications such as labels, signs and cards. Evergreen PETG is available with thicknesses ranging from 0.3mm-1.5mm.

Typical Property Values

Property	Item	Test Method	Unit	Value	
Physical	Density		ASTM D792-2007	g/cm ³	1.27
	Tensile Strength	MD	ASTM D882-10 (Specimen Width:25mm)	MPa	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)	MPa	2110
		CD		MPa	2070
Impact Resistance		ASTM D1709-09 Method B	g	822	
Optical	Haze		ASTM D1003-07 ^{E1} 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 (applicable only for anti-static grades)		ASTM D257	Ω	10 ⁹ -10 ¹¹

PETG Specifications

Property	Specifications
Thickness	0.25mm~1.5mm for sheets 0.25mm~1.0mm for rolls
Width	500-1220mm (Custom widths are available upon request)
Color	Clear, White, Black, Gray, Brown (Custom colors are available upon request)
Surface Finish	Two sided glossy, Matte finish also available

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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