

The Plastics Sheets Specialist

PETG

Optima+ 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). Optima+ PETG film is widely used for packaging of electronics, cosmetics, toys, medical equipment, stationary 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. Optima+ PETG is available in thicknesses ranging from 0.5mm-6.0mm.

Typical Property Values

Property	ltem		Test Method	Unit	Value
Physical	Density		ASTM D792-2007	g/cm	1.27
	Tensile Strength	MD	ASTM D882-10 (Specimen Width:25mm)	Мра	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: 50mm/min)	MPa	2110
		CD		MPa	2070
	Impact Resistance		ASTM D1709-09 Method B	g/cm	822
Optical	Haze		ASTM D1003-07 Method A (Light Source Type C)	96	1.4
	Total Luminous Transmittance			96	90.6
Thermal	Glass Transition Temperature (Tg)		ISO 11357-2:1999 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	0.5mm-6.0mm for sheets	
Width	Custom width available upon request	
Colour	Clear (Custom colours available upon request)	
Surface Finish	Gloss / Gloss	

Remark

- The above reported values are based on material thickness of 0.5mm unless otherwise specified.
- 2. The data presented above represents values from our testing of the material. It is the responsibility of the user to test and confirm 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 Optima+sales representative for any questions or enquiries regarding special applications.









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