

# Tenopex® PETG Packaging Technical Data Sheet

## Description and Applications

Tenopex® PETG (Polyethylene Terephthalate Glycol) is a high gloss polished, 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 stabilizer). Tenopex® PETG film is widely used for packaging of electronics, cosmetic, 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.

Tenopex® PETG is available in thicknesses ranging from 0.3mm - 1.5mm

## Typical Property Values

Property		Test Method	Units	Value
<b>Physical</b>				
Density		ASTM D792	g/cm <sup>3</sup>	1.27
<b>Optical</b>				
Light Transmission		ASTM D1003	%	90.6
Haze		ASTM D1003	%	1.4
<b>Mechanical</b>				
Tensile Strength	MD	ASTM D882-10 (Specimen width : 25mm)	%	52.2
	CD			49.9
Elongation At Break	MD	ASTM D882-10 (Test Speed) 50mm/min, Grip Separation 100mm)	%	477
	CD			768
Tensile Modulus	MD	ASTM D638-10 (Test Speed 5mm/mm)	MPa	2110
	CD			2070
Impact Resistance		ASTM D1709-09	g	822
<b>Thermal</b>				
Glass Transition Temperature (T <sub>g</sub> )		ISO 1 1357-2 : 1999 DSC	°C	88
<b>Electrical</b>				
Surface Resistivity (for antistatic grade only)		ASTM D257	Ω	10 <sup>9-11</sup>
<b>PETG Roll Specifications</b>				
Property		Specifications		
Thickness		0.3mm to 1.5mm		
Width		500mm to 1220mm, custom widths available upon request		
Color		Clear		
Surface Finish		Polished / Polished		

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These are typical properties and are not intended for specifications purposes. If minimum certifiable properties are required, please contact your local sales representative. Reported values are based on 0.35mm thickness film unless otherwise noted.

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