



The Plastic Films Specialist

# Tenopex® APET Packaging Technical Data Sheet

## Description and Applications

Tenopex® APET (Amorphous Polyethylene Terephthalate) film offer excellent optical characteristics such as high gloss and transparency as well as good mechanical properties such as impact resistance and tensile strength. It is non-reactive to most chemicals and acts as an effective barrier. All these properties, along with its ability to be easily formed make it a good choice for packaging applications.

Grade options suitable for FDA food contact, antifog, anti-static, printable and recycled RPET variants are also available. Tenopex® APET film is available in thicknesses ranging from 0.15mm - 1.5mm

## Typical Property Values

Property	Test Method		Units	Value
<strong>Physical</strong>				
Density	ASTM D792		g/cm3	1.34
<strong>Optical</strong>				
Light Transmission	ASTM D1003		%	90.8
Haze	ASTM D1003		%	1.1
<strong>Mechanical</strong>				
Tensile Strength	MD	ASTM D882-10	MPa	57.9
	CD			56.9
Tear Strength	MD	ISO 6383-1 : 1983	N/mm	104
	CD			102
Impact Resistance	ASTM D1709-09		g	1448
<strong>Thermal</strong>				
Glass Transition Temperature (Tg)	ISO 1 1357-2 : 1999DSC		°C	80.15
<strong>Electrical</strong>				
Surface Resistivity (for antistatic grade only)	ASTM D257		Ω	10 <sup>9-11</sup>

## APET Roll Specifications

Property	Specifications
Thickness	0.15mm to 1.5mm
Width	500mm to 1220mm, custom widths available upon request
Color	Clear. Custom colors are available upon request
Surface Finish	Polished / Polished. Matte surface finish available upon request

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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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