

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
Physical				
Density		ASTM D792	g/cm ³	1.34
Optical				
Light Transmission		ASTM D1003	%	90.8
Haze		ASTM D1003	%	1.1
Mechanical				
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
Thermal				
Glass Transition Temperature (Tg)		ISO 11357-2 : 1999DSC	°C	80.15
Electrical				
Surface Resistivity (for antistatic grade only)		ASTM D257	Ω	10 ⁹⁻¹¹
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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