

### Description

Evergreen APET (Amorphous Polyethylene Terephthalate) films 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. We can offer a grade that is suitable for FDA food contact, as well as an anti-static and printable grade. Evergreen's APET film can be provided in a range of 0.15mm - 1.5mm (.006" - .060") thickness.

### Typical Property Values

Property	Item	Test Method	Unit	Value	
Physical	Density	ASTM D792-2007	g/cm <sup>3</sup>	1.34	
Mechanical	Tensile Strength	ASTM D882-09	MPa	MD	57.9
				CD	56.9
	Tear Strength	ISO6383-1:1983	N/mm	MD	104
				CD	102
	Impact Resistance	ASTM D1709-08 Method A	g	1448	
Optical	Haze	ASTM D1003-07ε1 Method A	%	1.1	
	Light Transmission		%	90.8	
Thermal	Glass Transition Temperature (T <sub>g</sub> )	ISO11357-2:1999 DSC	°C	80.15	
Electrical	Surface Resistance (only for anti-static grade)	ASTM D257	Ω	10 <sup>9</sup> -10 <sup>11</sup>	

### APET Roll Specifications

Property	Specifications
Thickness	0.25mm~1.5mm
Width	500-1220mm (Custom widths are available upon request)
Color	Clear and customs 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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