EVERGREEN INDUSTRIES

ROLL-STOCK SHEETS / TECHNICAL DATA SHEET

APET ROLL-STOCK SHEET

High-clarity amorphous PET sheet for thermoforming and packaging conversion.

DOCUMENT ID: EGD-APET-TDS | REVISION: 01 | ISSUE DATE: 18 AUGUST 2026

THICKNESS 0.15-1.50 mm | MAXIMUM WIDTH 1,200 mm | IV 0.64-0.79 dL/g

PROPERTY	STANDARD REQUIREMENT
PRODUCT IDENTIFICATION	
Product	APET Roll-Stock Sheet
Composition	100% virgin PET resin
Reference standard	BB/T 0082-2019
DIMENSIONS AND TOLERANCES	
Thickness range	**0.15-1.50 mm**
Thickness tolerance	0.15 to < 0.20 mm: by agreement; 0.20-0.79 mm: +/- 0.01 mm; 0.80-1.50 mm: +/- 0.02 mm
Maximum sheet width	**1,200 mm (1.2 m)**
Width tolerance	Specified width +/- 0.5 mm
Roll weight tolerance	Specified roll weight +/- 1%
APPEARANCE QUALITY	
Visual characteristics	Colorless, transparent and uniform in appearance
Crystallized specks	> 2.0 mm: not permitted; <= 2.0 mm: a small number of isolated specks permitted
Black or white impurities	No particle > 2.0 mm within a 30 cm x 30 cm inspection area
Bubbles	No bubble > 2.0 mm within a 30 cm x 30 cm inspection area
Edge condition	Smooth, burr-free and without edge flash
Watermark / mist	Slight watermarking or misting permitted within the approved visual standard
Winding quality	Smooth, compact and neatly trimmed; mis-cut edges are not permitted
Surface defects	Cracks, scratches, perforation, wrinkles, inclusions, missing edges and oil are not permitted
PHYSICAL AND MECHANICAL PROPERTIES	
Tensile strength - machine direction	>= 60 MPa
Tensile strength - transverse direction	>= 50 MPa
Coefficient of kinetic friction	<= 0.4
Light transmittance	>= 88%
Haze	<= 2%
Impact resistance	0.20 <= t < 0.40 mm: >= 800 g; 0.40 <= t < 0.80 mm: >= 1,200 g; 0.80 <= t <= 1.50 mm: >= 1,500 g
Density	1.35 g/cm3
Intrinsic viscosity (IV)	**0.64-0.79 dL/g**

TYPICAL APPLICATIONS Thermoformed trays, lids, clamshells, cups, blister packs and display packaging.

TECHNICAL NOTE Impact requirements above apply from 0.20 mm. Gauges below 0.20 mm, final tolerances, test methods, regulatory documentation and end-use suitability are subject to the approved customer specification.