



ROLL-STOCK SHEETS / TECHNICAL DATA SHEET

PCR-PET ROLL-STOCK SHEET

Recycled-content PET sheet for thermoforming and packaging conversion.

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PCR CONTENT 30%-100% | THICKNESS 0.20-1.50 mm | IV 0.69-0.74 dL/g

PROPERTY	STANDARD REQUIREMENT
PRODUCT IDENTIFICATION	
Product	PCR-PET Roll-Stock Sheet
Composition	PCR-PET sheet; virgin PET balance may be used where required by the approved structure
PCR content	30%-100%, fixed in the approved order specification
Reference standard	BB/T 0082-2019
DIMENSIONS AND TOLERANCES	
Thickness range	0.20-1.50 mm
Thickness tolerance	0.20-0.79 mm: +/- 0.01 mm; 0.80-1.50 mm: +/- 0.02 mm
Sheet width	Customer-specified
Width tolerance	Specified width +/- 0.5 mm
Roll weight tolerance	Specified roll weight +/- 1%
APPEARANCE QUALITY	
Visual characteristics	Transparent and uniform within the approved sample; normal recycled-content color variation may occur
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/cm ³
Intrinsic viscosity (IV)	0.69-0.74 dL/g

TYPICAL APPLICATIONS Retail and food-service trays, lids, clamshells, consumer packaging and sustainability-oriented thermoforming projects.

TECHNICAL NOTE PCR content can influence color, clarity and forming response. Final appearance, PCR level, compliance and performance criteria are governed by the approved sample and order specification.