Transcendia
A Leader in Custom and Engineered Films

LASER TUFF® Biaxially Oriented Polyester (BOPET) Film

DESCRIPTION
Laser Tuff is a cavitated white biaxially oriented polyester (BOPET) film used in industrial, electronic, printing, imaging, specialty, and consumer products.

CHARACTERISTICS
- Pre-treated on both surfaces to promote ink and industrial coating adhesion
- Flexo, Gravure, Screen, Offset, Thermal Transfer and Laser Beam printable
- Compatible with conventional or solvent based inks, UV curable inks, water base Flexo inks and pencil writable
- Approximately 27% lighter than standard PET films
- Contains up to 40% post-consumer recycled polyester content
- Excellent base product for pressure sensitive labels, photographic printing paper, industrial tags, RFID tags, backlit signage, and POP applications
- Available in Sheets and Rolls
- Tear resistance
- Great dimensional stability
- Heat resistance up to 300°F

FDA STATUS
Manufactured with materials compliant with FDA regulations

COMPLIANCE
Please visit transcendia.com/compliance for more compliance information.

TECHNICAL DATA

PROPERTIES		TYPICAL VALUES			TEST METHOD
Gauges		5 mil	7.5 mil	10 mil	ASTM D374
Specific Gravity		1.1g/cm³	1.1g/cm³	1.1g/cm³	ASTM D1505
Luminous Transmittance		5.20%	3%	1.50%	JIS K7105
Tensile Strength	MD	114 MPa	112 MPa	108 MPa	ASTM D882
	TD	129 MPa	118 MPa	118 MPa	
Elongation	MD	89%	84%	78%	JIS C2318
	TD	49%	50%	49%	
Thermal Shrinkage (150°C x 30 min.)	MD	1.30%	1.20%	1.20%	ASTM D1204
	TD	0.40%	0.80%	0.70%	
Surface Resistivity (log Ω)	F	11	11	11	JIS K6911
	B	11	11	11	
Color Hunter	L	93.4	94.9	92.6	JIS K8722
	A	-0.40%	-0.50%	-0.40%	
	B	1.2	1.5	1.2	

CORPORATE HEADQUARTERS
9201 W. Belmont Avenue | Franklin Park, IL 60131
USA 800.745.5802 | 847.678.1800 main | 847.233.0199 fax
CAN 800.268.4108 | 416.292.6000 main | 416.292.7399 fax
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Revision Date: 1/3/2025

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