

# Laser Tuff™

## DESCRIPTION:

Laser Tuff™ is a cavitated white biaxially oriented polyester 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.
- Great dimensional stability
- Heat resistance up to 300°F
- Tear resistance
- Lighter weight than standard PET films (approx. 27% lighter)
- 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
- Recycle code #1

## TECHNICAL DATA:

Physical Properties		Typical Values *			Test Method
Gauges		5 mil	7.5 mil	10 mil	ASTM D374
Specific Gravity		1.1g/cm <sup>3</sup>	1.1g/cm <sup>3</sup>	1.1g/cm <sup>3</sup>	ASTM D1505
Luminous Transmittance		5.2%	3%	1.5%	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	1.3%	1.2%	1.2%	ASTM D1204
	TD	0.4%	0.8%	.7%	
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	-0.4%	-0.5%	-0.4%	
	b	1.2	1.5	1.2	

\*Values given as typical and should not interpreted as product specifications. All information, recommendations and suggestions contained herein, including, without limitations, stated values (collectively the "Information") shall be used only as a guide by Purchaser and not for specification or any other purpose. The Information does not constitute a warranty no15375r guaranty of any type whatsoever. Purchaser should independently determine the suitability of all material purchased and must confirm adaptability and other characteristics by conducting its own tests. Transcendia shall have no liability as a result of any loss, expense, damage, cost or other injury which results from Purchaser's reliance on the Information.

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