

## LASER TUFF® BIAXIALLY ORIENTED POLYESTER 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, solvent-based, UV curable & water-based flexo inks. Also pencil writable.
- Approximately 27% lighter than standard PET films
- Contains up to 40% post-consumer recycled polyester content.
- Great dimensional stability
- Heat and tear resistance
- Excellent base product for pressure sensitive labels, photographic printing paper, industrial tags, RFID tags, backlit signage and POP applications.
- Available in Sheets and Rolls

### COMPLIANCE

Please visit [transcendia.com/compliance](http://transcendia.com/compliance) for more compliance information.

### TECHNICAL DATA

Physical Properties		Unit of Measure	Typical Values			Test Method
Gauges		mil.	5	7.5	10	ASTM D374
Specific Gravity		g/cm <sup>3</sup>	1.1	1.1	1.1	ASTM D1505
Luminous Transmittance		%	5.2%	3%	1.5%	JIS K7105
Tensile Strength	MD	mPa	114	112	108	ASTM D882
	TD		129	118	118	
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		.4	.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		-0.04	-0.5	-0.4	
	b		1.2	1.5	1.2	

\*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 nor 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 test. 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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