

TRANS HT-LIGHT®

DESCRIPTION

Trans HT-Light is a translucent white, extruded polypropylene (PP) material engineered for high heat backlit applications available in .010 & .015 thicknesses.

CHARACTERISTICS

- Corona Treated
- Matte/Matte or Gloss/Matte Finishes
- Formulated for Outdoor Applications
- Excellent Flexural Properties
- Easily printed using offset lithography, UV digital, flexography, gravure, and screen printing methods
- Can be folded, hot stamped, embossed, die cut, riveted, stapled or sewn
- Thermo /Vacuum formable
- Available in rolls or sheets
- Excellent mold shape transferal and faster cycle times

FDA STATUS

Manufactured with materials compliant with FDA regulations

COMPLIANCE

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

TECHNICAL DATA

PROPERTIES		UNIT OF MEASURE	TYPICAL VALUES		TEST METHOD
Thickness ± 5% or .001 max. whichever is greater		in.	0.01	0.015	ASTM T411
Grammage Basis Weight		g/m ²	267	400	ASTM T410
		(lbs./1,000 ft. ²)	-54.6	-81.9	
Yield		in ² /lb.	2,640	1,760	
Specific Gravity		-	1.05	1.05	ASTM D1505
Tensile Strength	MD	psi	3,600	3,400	ASTM D882
	TD		2,700	2,700	
Elongation	MD	%	400	500	
	TD		500	500	
Tear Resistance Initiated	MD	lbf.	1.7	2.5	ASTM D1938
	TD		7.5	8.7	
Tear Resistance Uninitiated	MD	lbf.	8.4	13	ASTM D1004
	TD		10	15	
Wetting Tension		dyne/cm	40 minimum		ASTM T698
HDT @ 264 psi ^a		°F	N/A		ASTM D648
Stiffness	MD	Taber Units	15	38	-
	TD		7	23	
Optical Density		-	42	52	-
Gardner Impact @ 23°C		in./lbs.	192		ASTM D5420
Gardner Impact @ 30°C			78		
Shrinkage 220°F for 24 hours	MD	%	1		-
	TD		~ 0		
Edge Lift 220°F for 24 hours		in	1/32		-
Flammability Class		-	94HB		-

a. Indicates data was obtained by molded samples only in an unannealed state

*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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