

# Trans HT – Light™

## DESCRIPTION:

Trans HT-Light is an extruded polyolefin material engineered for high heat backlit applications. Materials are available in .010 & .015 thickness.

## CHARACTERISTICS:

- Translucent White
- Corona Treated
- Available in both Rolls and Sheets
- Matte/Matte or Gloss/Matte Finishes
- Formulated for Outdoor Applications
- Excellent Flexural Values
- Easily printed using offset lithography, UV digital, flexography, gravure and screen printing.
- Can be folded, hot stamped, embossed, die cut, riveted, stapled, and sewn.
- Recycled Code #5
- Thermo /Vacuum formable.
- Better mold shape transferal and faster cycle times.

## TECHNICAL DATA:

PROPERTIES	UNIT	TYPICAL VALUES		TEST METHOD
THICKNESS ± 5% or .001 Maximum (whichever is greater)	in	.010	.015	T 411
GRAMMAGE BASIS WEIGHT	g / m <sup>2</sup> (lb / 1,000 ft <sup>2</sup> )	267 (54.6)	400 (81.9)	T 410
YIELD	in <sup>2</sup> / lb	2,640	1,760	
SPECIFIC GRAVITY		1.05	1.05	D 1505
TENSILE STRENGTH	MD	psi	3,600	D 882
	TD		2,700	
ELONGATION	MD	%	400	
	TD		500	
TEAR RESISTANCE INITIATED	MD	lbf	1.7	D 1938
	TD		7.5	
TEAR RESISTANCE UNINITIATED	MD	lbf	8.4	D 1004
	TD		10	
GARDNER IMPACT	in-lbf	4.3	7.9	D 5420
WETTING TENSION	dyne/cm	40 minimum		T 698
HDT @ 264 psi <sup>a</sup>	°F	N/A		D 648
STIFFNESS	MD	Taber Units	15	
	TD		7	
OPTICAL DENSITY		42	52	
SHRINKAGE 220 °F for 24 hours.	MD	%	1	
	TD		~ 0	
EDGE LIFT 220 °F for 24 hours.	in	1/32		
FLAMMABILITY CLASS		94HB		
FDA COMPLIANCE		YES		

<sup>a</sup> Indicates data was obtained from molded samples only, in an unannealed state.

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