Transcendia

ISO 9001:2008 Certified Company
PERRY JOHNSON REGISTRARS, INC.

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 / m² (lb / 1,000 ft²)	267 (54.6)	400 (81.9)	T 410
YIELD		in² / lb	2,640	1,760	
SPECIFIC GRAVITY			1.05	1.05	D 1505
TENSILE STRENGTH	MD	psi	3,600	3,400	D 882
	TD		2,700	2,700	
ELONGATION	MD	%	400	500	
	TD		500	500	
TEAR RESISTANCE INITIATED	MD	lbf	1.7	2.5	D 1938
	TD		7.5	8.7	
TEAR RESISTANCE UNINITIATED	MD	lbf	8.4	13	D 1004
	TD		10	15	
GARDNER IMPACT		in-lbf	4.3	7.9	D 5420
WETTING TENSION		dyne/cm	40 minimum		T 698
HDT @ 264 psi [a]		°F	N/A		D 648
STIFFNESS	MD	Taber Units	15	38	
	TD		7	23	
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		

[a] Indicates data was obtained from molded samples only, in an unannealed state.

Revision Date: 10/25/2016

CORPORATE HEADQUARTERS 9201 W. Belmont Avenue | Franklin Park, IL 60131
USA 800.618.5060 | 847.678.1800 main | 847.233.0199 fax
CAN 800.268.4108 | 416.292.6000 main | 416.292.7399 fax

TRANSCENDIA.COM