Transcendia
A LEADER IN CUSTOM ENGINEERED MATERIALS

ISO 9001 Certified Company
PERRY JOHNSON REGISTRARS, INC.

TRANS HT–LIGHT® Blue/White for High Heat Backlit Applications

DESCRIPTION:

TRANS HT-LIGHT® Blue/White is an extruded, mineral filled sheet for high heat backlit applications. Available in white translucent with a matte/matte or gloss/matte finish.

CHARACTERISTICS:

- 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
- A thicknesses: .010 & .015 in both Sheets and Rolls

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	357	475	T 410
		lb / 1,000 ft²	98	73	
YIELD		in² / lb	1,965	1,475	
SPECIFIC GRAVITY		g/cc	.938	.938	D 1505
TENSILE STRENGTH	MD	psi	4,200	3,900	D 882
	TD		3,500	3,200	
ELONGATION	MD	%	700	700	
	TD		500	500	
TEAR RESISTANCE INITIATED	MD	lbf	3.5	5.5	D 1938
	TD		8.5	12.5	
TEAR RESISTANCE UNINITIATED	MD	lbf	13.0	20	D 1004
	TD		15.5	20.5	
GARDNER IMPACT		in-lbf	18	24	D 5420
WETTING TENSION		dyne/cm	40 minimum		T 698
STIFFNESS	MD	Taber Units	45	85	D 5342
	TD		36	60	
OPTICAL DENSITY				.53	
SHRINKAGE [b]	MD	%	< 1		
	TD		<1		
EDGE LIFT [b]		in	1/32”		

[a] Indicates data was obtained from molded samples only, in an unannealed state.
[b] 220 °F for 24 hours.

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