

PROPRINT® Synthetic Paper

DESCRIPTION

PROPRINT is an extruded mineral-filled polypropylene. This specialized formula is available in white opaque with a matte/matte or gloss/matte finish.

CHARACTERISTICS

- Easily printed using offset lithography, UV Digital, gravure, flexography and screen printing
- Excellent dimensional stability
- Good toughness and impact strength
- Can be folded, hot stamped, embossed, die cut, riveted, stapled and sewn
- Characteristics allow for deep draw forming
- Better mold shape transferal and fast cycle times
- Great for indoor and outdoor applications
- ISO 9001:2015 Certified Quality Management Systems
- Available thicknesses: Rolls: 8-20 mil, Sheets: 10-60 mil.

COMPLIANCE

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

TECHNICAL DATA

PROPERTIES		UNIT OF MEASURE	TYPICAL VALUE		TEST METHOD
Thickness ($\pm 5\%$ or $.001''$, whichever is greater)		inches	0.01	0.015	ASTM T411
Basis Weight		g/m^2	276	414	ASTM T410
Yield		in^2/lb	2,600	1,725	ASTM T410
Specific Gravity		g/cm^3	1.05	1.05	ASTM D1505
Tensile Strength	MD	psi	3,400	3,000	ASTM D882
	TD		3,000	2,400	
Elongation at Break	MD	%	550	550	ASTM D882
	TD		500	500	
Tear Resistance, Initiated	MD	lb	1	1.5	ASTM D1938
	TD		4	6.5	
Tear Resistance, Uninitiated	MD	lb	6.4	9	ASTM D1004
	TD		8	12	
Stiffness	MD	Taber Units	10	34	ASTM D5342
	TD		13	44	
Surface Tension (minimum)	Corona Treated	Dyne/cm	40	40	ASTM T698
	Untreated		34	34	
Unnotched Izod Impact*			No Breaks	No Breaks	ASTM D256A
HDT @ 264 psi*		$^{\circ}F$	145		ASTM D648

*Note: data obtained from molded samples in an unannealed state.

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