

ProPrint Plus® Synthetic Paper

DESCRIPTION

ProPrint Plus Synthetic Paper is an engineered extruded mineral-filled polypropylene. This specialized formula is available in white opaque with a matte/matte or gloss/matte finish.

CHARACTERISTICS

- Enhanced rigidity and stiffness over classic PRO-PRINT
- Easily printed using offset lithography, UV Digital, gravure, flexography, and screen printing
- 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
- Available Thicknesses: Rolls: 8-20 mil / Sheets: 10-60 mil

FDA STATUS

Manufactured with materials compliant with FDA regulations.

COMPLIANCE

Please visit <https://www.transcendia.com/compliance> for more compliance information.

TECHNICAL DATA

PROPERTIES		UNIT OF MEASURE	TYPICAL VALUE		TEST METHOD
Thickness: ±5% or .001", whichever is greater		inches	0.01	0.02	ASTM T411
Basis Weight		g/m ²	276	414	ASTM T410
Yield		in ² /lb	2,560	1,700	ASTM T410
Specific Gravity		g/cm ³	1.08	1.08	ASTM D1505
Tensile Strength	MD	psi	3,700	3,650	ASTM D882
	TD		2,950	2,900	
Elongation at Break	MD	%	435	500	ASTM D882
	TD		450	475	
Tear Resistance, Initiated	MD	lbs.	1.5	3	ASTM D1938
	TD		8.4	15	
Tear Resistance, Uninitiated	MD	lbs.	7.3	10	ASTM D1004
	TD		9.3	12	
Stiffness	MD	Taber Units	15	43	ASTM D5342
	TD		12	47	
Surface Tension (minimum)	Corona Treated	Dyne/cm	40	40	ASTM T698
	Untreated		34	34	
Impact Resistance (Gardner Impact)		in/lb	5.7	7.7	ASTM D5420
HDT @ 264 psi*		°F	147		ASTM D648

*Note: data obtained from molded samples 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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