

# PRO-PRINT® Synthetic Paper

## DESCRIPTION:

PRO-PRINT® 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

## TECHNICAL DATA:

PROPERTIES		UNIT OF MEASURE	TYPICAL VALUE		TEST METHOD
Thickness (± 5% or .001", whichever is greater)		inches	0.010	0.015	ASTM T411
Basis Weight		g/m <sup>2</sup>	276	414	ASTM T410
Yield		in <sup>2</sup> /lb	2,600	1,725	ASTM T410
Specific Gravity		g/cm <sup>3</sup>	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	1.0	1.5	ASTM D1938
	TD		4.0	6.5	
Tear Resistance, Uninitiated	MD	lb	6.4	9.0	ASTM D1004
	TD		8.0	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*		°F	145		ASTM D648

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

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