



## PRO-Print® Synthetic Paper

### DESCRIPTION:

PRO-Print® is an extruded, mineral filled polypropylene sheet. It is available in white opaque with a matte/matte or gloss/matte finish. PRO-Print® is also available in FDA approved resins.

### CHARACTERISTICS:

- Easily printed using flexography, offset lithography, gravure and screen printing.
- Can be folded, hot stamped, embossed, die cut, riveted, stapled, and sewn.
- High heat resistance (up to 350° F) and is microwavable.
- Environmentally friendly.
- Vacuum forming characteristics allow deep draw without excessive wall thinning and less "snap back" or post forming shrinkage.
- Better mold shape transferal and faster cycle times.

### TECHNICAL DATA:

PROPERTIES		10 MIL	15 MIL	TEST METHOD
THICKNESS ± 5% or .001 maximum (whichever is greater)		.010"	.015"	T 411
GRAMMAGE BASIS WEIGHT		276 g / m <sup>2</sup> (56.5 lbs / 1000 ft <sup>2</sup> )	414 g / m <sup>2</sup> (84.8 lbs / 1000 ft <sup>2</sup> )	T 410
YIELD		2.75 MSI/lb @ .010"	1,725 in <sup>2</sup> / lb	
SPECIFIC GRAVITY		1.05 g / cm <sup>2</sup>	1.05 g / cm <sup>2</sup>	D 1505
TENSILE STRENGTH	MD	3400 psi	3000 psi	D 882
	TD	3000 psi	2400 psi	
ELONGATION	MD	550%		
	TD	500%		
TEAR RESISTANCE @ .010"	MD	INITIATED	INITIATED	D 1938
		1 lbs	1.5 lbs	
	TD	4 lbs	6.5 lbs	
		UNINITIATED	UNINITIATED	
MD	6.4 lbs	9 lbs		
	TD	8.0 lbs	12 lbs	
UNNOTCHED IZOD IMPACT *		NO BREAKS		
WETTING TENSION	40 dynes / cm <sup>2</sup>			T 698
HDT @ 264 psi *	145° F			D 648
STIFFNESS	MD	10 TABER UNITS	34 TABER UNITS	
	TD	13 TABER UNITS	44 TABER UNITS	

\* indicates data was obtained from molded samples only, in an unannealed state.

**NOTE:** 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 tests. Transilwrap 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.

