

Pro-Print® Plus Synthetic Paper

DESCRIPTION:

Pro-Print® Plus 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 glued
- Characteristics allow for deep draw forming
- Better mold shape transferal and faster cycle times
- Recycle code #5

Available thicknesses:
 Roll 8 mil to 20 mil
 Sheets 10 mil to 60 mil

TECHNICAL DATA:

PROPERTIES	UNIT	TYPICAL VALUES		TEST METHOD	
THICKNESS ± 5% or .001 Maximum (whichever is greater)	inches	.010	.015	T 411	
GRAMMAGE BASIS WEIGHT	g / m ²	415	275	D 4321	
YIELD	in ² / lb	2,560	1,700		
SPECIFIC GRAVITY	g/cm ³	1.08	1.08	D 1505	
TENSILE STRENGTH @ BREAK	MD	psi	3700	D 882	
	TD		2950		2900
ELONGATION @ BREAK	MD	%	435		500
	TD		450		475
TEAR RESISTANCE INITIATED	MD	lb	1.5	3.0	D 1938
	TD		8.4	15	
TEAR RESISTANCE UNINITIATED	MD	lb	7.3	10.0	D 1004
	TD		9.3	12.0	
IMPACT RESISTANCE (GARDNER IMPACT)	in-lb	5.7	7.7	D 5420	
WETTING TENSION - minimum	Corona Treated	dynes/cm	40	40	D 2578
	Non Corona treated		34	34	
STIFFNESS	MD	Taber Units	15	43	D 5342
	TD		12	47	
HDT @ 264 psi*	° F	147		D 648	

* indicates data was obtained from molded samples only, 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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