



TECHNICAL DATA SHEET

**LOW DENSITY WHITE, HEAT SEALABLE OPP FILM
(ONE SIDE TREATED)**

IMP193

Corona Treated, Heat Sealable Surface

Pearl White Core

Untreated, Low Temperature Heat Sealable Surface

A low density pearl white, one side corona treated BOPP film. Has excellent opacity and brilliant white appearance, and can be used in single or two-ply laminates. Is heat sealable on both sides, with a low temperature sealing surface with excellent strength and hot tack. The corona treated side provides excellent adhesion of inks and lamination adhesives during conversion.

PROPERTIES			TEST METHOD	UNITS	112 IMP193	120 IMP193	140 IMP193	160 IMP193	180 IMP193	200 IMP193
GENERAL										
Thickness		Internal	gauge		112	120	140	160	180	200
Yield		Internal	lb/ream		12.0	12.9	15.0	17.3	19.3	21.5
		Internal	in ² /lb		35900	33500	28700	25000	22300	20000
Treatment Level	Corona	ASTM D-2578	dyne		38	38	38	38	38	38
OPTICAL										
Opacity	min	Internal	%		80	80	80	85	85	90
Gloss	max	ASTM D-2475	%		55	55	55	50	50	50
MECHANICAL										
Tensile Strength	MD	ASTM D-882	psi		14200	14200	14200	14200	14200	14200
	TD	ASTM D-882	psi		28400	28400	28400	28400	28400	28400
Elongation to Break	MD	ASTM D-882	%		160	160	160	150	150	150
	TD	ASTM D-882	%		60	60	60	50	50	50
Coefficient of Friction	Static	ASTM D-1894	-		0.40	0.40	0.40	0.40	0.40	0.40
	Kinetic	ASTM D-1894	-		0.38	0.38	0.38	0.38	0.38	0.38
THERMAL										
Shrinkage (at 248 °F / 5 min)	MD	Internal	%		3.5	3.5	3.5	3.5	3.5	3.5
	TD	Internal	%		1.5	1.5	1.5	1.5	1.5	1.5
Seal Initiation Temperature (max)		Internal	°F		221	221	221	221	221	221
BARRIER										
Water Vapour Transmission Rate (at 100 °F / 90% RH)		ASTM E-1249	g/100in ² /24h		0.35	0.32	0.26	0.23	0.19	0.16
Oxygen Transmission Rate (at 73 °F / 0% RH)		ASTM D-3985	cc/100in ² /24h		109.7	106.5	100.0	90.3	80.6	71.0

FDA Compliance: For information regarding food contact compliance, please contact your Impak Films representative

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