



TECHNICAL DATA SHEET

**BARRIER METALIZED, LOW DENSITY WHITE,
HEAT SEALABLE OPP FILM**

IMP195

Untreated, Heat Sealable Surface

Opaque White Core

Plasma Treated, High Barrier Metalized Surface

A low density opaque white, one side metalized BOPP film. Has outstanding opacity and brilliant white appearance, with excellent metal finish and superior barrier properties. Can be used in single or two-ply laminates, and is one side heat sealable, with a low temperature sealing surface with excellent strength and hot tack. The metalized side has excellent retained treatment level for good adhesion of inks and lamination adhesives during conversion.

PROPERTIES		TEST METHOD	UNITS	100 IMP195	120 IMP195	140 IMP195	152 IMP195	160 IMP195	200 IMP195
GENERAL									
Thickness		Internal	gauge	100	120	140	152	160	200
Yield		Internal	lb/ream	10.7	12.9	15.0	16.3	17.3	21.5
		Internal	in ² /lb	40100	33500	28700	26400	25000	20000
Treatment Level	metalised side	ASTM D-2578	dyne	38	38	38	38	38	38
OPTICAL									
Opacity	min	Internal	%	80	85	90	90	95	95
Optical Density	max	Internal	%	3.2	3.3	3.4	3.4	3.6	3.6
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	1.0	1.0	1.0	1.0
Seal Initiation Temperature (max)		Internal	°F	230	230	230	248	248	248
BARRIER									
Water Vapour Transmission Rate (at 100 °F / 90% RH)		ASTM E-1249	g/100in ² /24h	0.015	0.012	0.008	0.006	0.005	0.003
Oxygen Transmission Rate (at 73 °F / 0% RH)		ASTM D-3985	cc/100in ² /24h	2.26	1.94	1.61	1.48	1.29	0.97

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

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