



TECHNICAL DATA SHEET

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

IMP194

Untreated, Heat Sealable Surface

Opaque White Core

Plasma Treated, Metalized Surface

A low density opaque white, one side metalized BOPP film. Has outstanding opacity and brilliant white appearance, with excellent metal finish. 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 IMP194	120 IMP194	140 IMP194	152 IMP194	160 IMP194	200 IMP194
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	%	2.4	2.5	2.6	2.6	2.8	2.8
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	%	3.0	3.0	3.0	3.0	2.5	2.5
	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	0.026	0.023	0.019	0.017	0.016	0.010
Oxygen Transmission Rate (at 73 °F / 0% RH)		ASTM D-3985	cc/100in ² /24h	4.52	4.19	3.87	3.68	3.55	2.90

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

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IMPAK FILMS AUSTRALIA (www.impakfilms.com.au)
 ABN: 42 586 823 597 Address: Unit 15, 7-9 Mallett Road, (P.O. Box 1114), Tullamarine Vic. 3043, Australia Telephone: +61 3 9310 5540 Facsimile: +61 3 9310 5590

IMPAK FILMS USA (www.impakfilms.com)
 Address: 13757 Wingfield Circle, Salt Lake City Utah 84020, USA Warehouse: 10879 Portal Street, Los Alamitos California 90720, USA Telephone: +1 801 676 9290 Facsimile: +1 801 401 5556