



**TECHNICAL DATA SHEET**

**COATED ANTI-FOG PET LIDDING FILM**

**IMP851**

Print / Lamination Surface

Transparent Core

Sealant Surface with Incorporated Anti-Fog

A transparent, one side coated PET lidding film, with outstanding optical properties, and excellent anti-fog performance. Has been designed for use as a lidding film, that can create peelable seals to A-PET, A-PET coated C-PET and PVC trays. Can seal through contaminated surfaces, and seals self-vent in microwave ovens. A-PET surface also has an anti-fog agent incorporated.

PROPERTIES	TEST METHOD	UNITS	55 IMP851	80 IMP851	100 IMP851	150 IMP851	210 IMP851
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**GENERAL**

Thickness	Internal	gauge	56	80	100	152	208
Yield	Internal	lb/ream	12.4	17.6	21.9	33.0	45.1
	Internal	in <sup>2</sup> /lb	34700	24500	19700	13100	9600
Treatment Level	Corona	ASTM D-2578	dyne	48	48	48	48

**MECHANICAL**

Tensile Strength	MD	ASTM D-882	psi	25600	28400	28400	39800	64000
	TD	ASTM D-882	psi	29900	31300	31300	42700	78200
Elongation to Break	MD	ASTM D-882	%	135	130	130	115	80
	TD	ASTM D-882	%	105	100	100	95	60

**THERMAL**

Shrinkage (at 300 °F / 30 min)	MD	Internal	%	1.8	1.5	1.5	1.1	0.7
	TD	Internal	%	0.5	0.5	0.5	0.5	0.5

**BARRIER**

Water Vapour Transmission Rate (at 100 °F / 90% RH)	ASTM E-1249	g/100in <sup>2</sup> /24h	1.68	1.55	1.10	0.77	0.65
Oxygen Transmission Rate (at 75 °F / 0% RH)	ASTM D-3985	cc/100in <sup>2</sup> /24h	6.5	5.5	4.5	3.2	2.9

**ANTI-FOG [Rating: A to E - A = Poor, E = Excellent]**

Cold Fog Test	at 40 °F / 7 days	Internal	Rating: A to E	E	E	E	E	E
Hot Fog Test	at 140 °F / 3 hours	Internal	Rating: A to E	E	E	E	E	E

**IN APPLICATION**

Sealable Substrates	Seals to A-PET, A-PET lined and PVC trays. Peelable seals to A-PET when hot, strong seals when cold. Weld seals when sealed to itself. Seals are self venting during microwaving.
Ovenability	Films are microwaveable, boilable and ovenable to a maximum temperature of 390 °F.

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

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