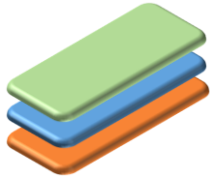




## TECHNICAL DATA SHEET

### PET LIDDING WITH ANTIFOG FOR aPET & PVC TRAYS

# IMP851



Printable PET layer  
 Polyester based coating for sealing to aPET, aPET lined and PVC trays  
 Permanent (cross-linked) antifog layer

PET lidding film for aPET, aPET lined and PVC trays. With a permanent non-degrading antifog layer, IMP851 is engineered to achieve strong peelable seals to aPET and paperboard, the film also has a strong peel seal to PVC.

#### PRODUCT FEATURES

- Very strong peel seal to aPET and paperboard
- Strong peel seal to PVC
- Permanent antifog layer does not reduce in effectiveness over time
- Will not shred when removed from aPET and aPET lined trays

#### APPLICATIONS

- Suitable for applications requiring antifog
- Suitable for chilled and frozen applications
- Suitable for microwave and oven use
- Can seal through some contamination but is not suitable for sealing through

PROPERTIES	TEST METHOD	UNITS	IMP851	IMP851	IMP851	IMP851	IMP851	IMP851	IMP851	
<b>GENERAL</b>										
Base Web Thickness	Internal	ga	48	60	70	90	110	140	200	
Total Thickness	Internal	ga	57	69	81	100	120	150	205	
Yield	ASTM D1505	lb/ream	12.5	15.1	17.6	21.9	26.2	33.1	45.2	
	Internal	in <sup>2</sup> /lb	34700	28700	24500	19700	16500	13100	9600	
<b>MECHANICAL</b>										
Tensile Strength (at break)	MD	ASTM D-882	psi	25600	28400	28400	28400	34100	39800	65300
	TD	ASTM D-882	psi	29900	31300	31300	31300	35600	42700	79800
Elongation to Break	MD	ASTM D-882	%	135	130	130	130	120	115	80
	TD	ASTM D-882	%	105	100	100	100	90	95	60
<b>THERMAL</b>										
Shrinkage (302°F/30 min)	MD	Internal	%	1.8	1.7	1.7	1.5	1.3	1.1	0.7
	TD	Internal	%	0.5	0.5	0.5	0.5	0.5	0.5	0.5
<b>BARRIER</b>										
Water Vapor Transmission Rate	(100°F/90% RH)	ASTM E1249	g/100in <sup>2</sup> /24h	1.68	1.55	1.55	1.10	0.90	0.77	0.65
Oxygen Transmission Rate	(73°F/0% RH)	ASTM D3985	cc/100in <sup>2</sup> /24h	6.5	5.5	5.5	4.5	3.9	3.2	2.9
<b>IN APPLICATION</b>										
Heat Seal Range			°F	230 - 410	230 - 410	230 - 410	230 - 410	230 - 410	230 - 410	230 - 410
Maximum Temperature in use (oven)			°F	437.0	437.0	437.0	437.0	437.0	437.0	437.0
Minimum Temperature in use (freezer)			°F	-58.0	-58.0	-58.0	-58.0	-58.0	-58.0	-58.0

#### Guidelines for storage

Temperature should be less than 86°F and humidity 55±5% in storage areas. Material should be consumed within 3 months of receipt. Allow film to reach operating room temperature 24h before use.

#### Printing & Lamination

Material is suitable for printing and lamination on the non-sealing side of the material only. Corona treatment in-line should be used if required. Further information is available from your Impak Films USA LLC representative.

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

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