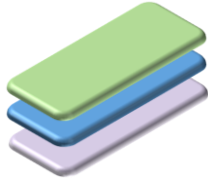




**TECHNICAL DATA SHEET**

**LIDDING FOR GENERAL PURPOSE WITH ANTIFOG**

**IMP854**



Treatable PET layer  
Proprietary coating for sealing to a range of materials  
Permanent, cross linked antifog layer

IMP854 is a transparent film with good optics and excellent antifog characteristics, designed for use as a lidding film with a wide range of substrates. IMP854 gives a strong peel when used with c-PET, r-PET, aluminium, PP, PE, PS and PVC. IMP854 is designed to seal through contaminated surfaces.

**PRODUCT FEATURES**

- Very strong peel seal to most substrates
- Reduced seal strength following heating for easy opening
- Self-venting in microwave applications
- Excellent antifog characteristics that are permanently effective

**APPLICATIONS**

- Suitable for chilled and frozen applications
- Suitable for microwave and oven use up to 437°F
- Seals through some contamination on seal surfaces
- Suitable for applications requiring antifog
- Not recommended for use with aPET materials

PROPERTIES	TEST METHOD	UNITS	IMP854	IMP854	IMP854	IMP854	IMP854	
<b>GENERAL</b>								
Base Web Thickness	Internal	ga	48	72	92	112	144	
Total Thickness	Internal	ga	68	92	112	132	164	
Yield	ASTM D1505	lb/ream	13.4	18.7	22.8	27.1	33.9	
	Internal	in <sup>2</sup> /lb	32300	23100	18900	15900	12700	
<b>MECHANICAL</b>								
Tensile Strength (at break)	MD	ASTM D-882	psi	25600	28400	28400	28400	27000
	TD	ASTM D-882	psi	29900	27000	27000	27000	25600
Elongation to Break	MD	ASTM D-882	%	135	130	130	120	115
	TD	ASTM D-882	%	105	100	100	90	95
<b>THERMAL</b>								
Shrinkage (302°F/30 min)	MD	Internal	%	1.8	1.7	1.5	1.3	1.1
	TD	Internal	%	0.5	0.5	0.5	0.5	0.5
<b>BARRIER</b>								
Water Vapour Transmission Rate	(100°F/90% RH)	ASTM E1249	g/100in <sup>2</sup> /24h	1.68	1.55	1.10	0.90	0.77
Oxygen Transmission Rate	(73°F/0% RH)	ASTM D3985	cc/100in <sup>2</sup> /24h	6.5	5.5	4.5	3.9	3.2
<b>IN APPLICATION</b>								
Heat Seal Range			°F	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
Minimum Temperature in use (freezer)			°F	-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*

Information in this publication refers to average values of laboratory tests on samples from standard production. It is believed to be accurate and is given in good faith, but it is for the customer to satisfy the suitability for its own particular purpose. Accordingly, Impak Films gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that such exclusion is prevented by law. This document is not a product specification

Impak Films reserves the right to change the data sheet at any time without prior notification.

IMPAK FILMS AUSTRALIA (www.impakfilms.com.au)  
ABN: 42 586 823 597 Address: Unit 1, 15-21 Butler Way, (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: 2727 Paces Ferry Road, Suite 1650 Building One, Atlanta, Georgia 30339, USA Telephone: +1 678 384 5520 Facsimile: +1 678 384 5543