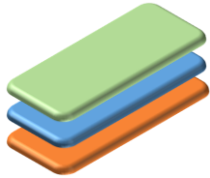




TECHNICAL DATA SHEET

PET LIDDING WITH ANTIFOG FOR aPET & PVC TRAYS

IMP864



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, IMP864 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 seal to aPET and paperboard
- Strong 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 | IMP864 | IMP864 | IMP864 | IMP864 | IMP864 | IMP864 | IMP864 | |
|--------------------------------------|----------------|---------------------|----------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| GENERAL | | | | | | | | | | |
| 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 ² /lb | 34700 | 28700 | 24500 | 19700 | 16500 | 13100 | 9600 | |
| MECHANICAL | | | | | | | | | | |
| 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 |
| THERMAL | | | | | | | | | | |
| 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 |
| BARRIER | | | | | | | | | | |
| Water Vapor Transmission Rate | (100°F/90% RH) | ASTM E1249 | g/100in ² /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 ² /24h | 6.5 | 5.5 | 5.5 | 4.5 | 3.9 | 3.2 | 2.9 |
| IN APPLICATION | | | | | | | | | | |
| 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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