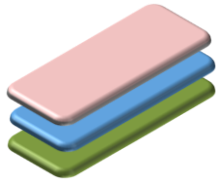




PRODUCT DATA SHEET

NON-SEALABLE MATTE BOPP

IMP180



Non sealable matte surface layer  
OPP Core  
Non-sealable layer

Matte surfaced BOPP with high contact transparency and a smooth matte appearance. IMP180 is designed to prevent light reflectivity and improve the visual appearance of products and materials in high light situations.

PRODUCT FEATURES

- Smooth, matte surface
- Excellent contact clarity
- Excellent print receptivity and lamination bonds
- Food contact suitable
- Good antistatic properties

APPLICATIONS

- Suitable for print and lamination applications
- Suitable as a top web in label laminates
- Suitable for packaging applications when laminated to a sealant layer
- Compatible with most print, ink and adhesive systems.

| PROPERTIES                    | TEST METHOD    | UNITS               | IMP180                    | IMP180    | IMP180 | IMP180 |      |
|-------------------------------|----------------|---------------------|---------------------------|-----------|--------|--------|------|
| <b>GENERAL</b>                |                |                     |                           |           |        |        |      |
| Thickness                     | Internal       | ga                  | 58                        | 71        | 100    | 118    |      |
| Yield                         | ASTM D-1505    | lb/ream             | 7.7                       | 9.5       | 13.4   | 16.0   |      |
|                               | Internal       | in <sup>2</sup> /lb | 55800                     | 45400     | 32300  | 26900  |      |
| <b>SURFACE</b>                |                |                     |                           |           |        |        |      |
| Wetting Tension               | ASTM D-2578    | dynes/cm            | ≥ 38*                     |           |        |        |      |
| COF                           | Both sides     | ASTM D-1894         | Film-Film                 | ≤ 0.40    |        |        |      |
| <b>MECHANICAL</b>             |                |                     |                           |           |        |        |      |
| Tensile Strength (at break)   | MD             | ASTM D-882          | psi                       | > 17300   |        |        |      |
|                               | TD             | ASTM D-882          | psi                       | > 14400   |        |        |      |
| Elongation to Break           | MD             | ASTM D-882          | %                         | < 180     |        |        |      |
|                               | TD             | ASTM D-882          | %                         | < 70      |        |        |      |
| <b>THERMAL</b>                |                |                     |                           |           |        |        |      |
| Heat seal range               |                |                     | *F                        | 240 - 290 |        |        |      |
| Seal Strength                 | QB/T2358       |                     | g/inch                    | 500       |        |        |      |
| Shrinkage (250°F/2 min)       | MD             | Internal            | %                         | ≤ 4.0     |        |        |      |
|                               | TD             | Internal            | %                         | ≤ 2.0     |        |        |      |
| <b>BARRIER</b>                |                |                     |                           |           |        |        |      |
| Water Vapor Transmission Rate | (100°F/90% RH) | ASTM F1249          | g/100in <sup>2</sup> /24h | 0.57      | 0.48   | 0.39   | 0.32 |

\* for up to 6 months from manufacture

Guidelines for storage

Temperature should be less than 86°F and humidity 55±5% in storage areas and material should be consumed within 6 months of manufacture. Allow film to reach operating room temperature 24h before use.

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 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: Suite 1650, Building One, 2727 Paces Ferry Road, Atlanta, Georgia 30339, USA Telephone: +1 678 384 5520 Facsimile: +1 678 384 5543