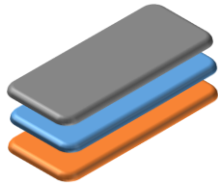




TECHNICAL DATA SHEET

HIGH BARRIER, HIGH SEAL STRENGTH, METALLIZED BOPP

IMP126



High barrier metallized surface layer  
OPP Core  
High seal strength heat seal layer

High barrier, metallized BOPP film with very high seal strength, suitable for surface print or lamination applications. The non-metallized side is heat sealable with very high seal strength and good hot tack.

PRODUCT FEATURES

- High barrier to moisture and oxygen
- Excellent metal adhesion
- Very high seal strength
- Food contact suitable
- Excellent print receptivity

APPLICATIONS

- Suitable for print and lamination applications
- Suitable for heat seal applications requiring high heat seal strength and good hot tack properties
- Suitable for HFFS, VFFS and bag or pouch making applications
- Compatible with most print, ink and adhesive systems.
- Suitable for products requiring high barrier such as snack foods

| PROPERTIES                    | TEST METHOD    | UNITS               | IMP126                     | IMP126    |
|-------------------------------|----------------|---------------------|----------------------------|-----------|
| <b>GENERAL</b>                |                |                     |                            |           |
| Thickness                     | Internal       | ga                  | 80                         | 90        |
| Yield                         | ASTM D-1505    | lb/ream             | 11.2                       | 12.9      |
|                               | Internal       | in <sup>2</sup> /lb | 38600                      | 33600     |
| <b>SURFACE</b>                |                |                     |                            |           |
| Wetting Tension               | ASTM D-2578    | dynes/cm            | ≥ 38*                      |           |
| COF                           | Seal side      | ASTM D-1894         | Film-Film                  | ≤ 0.50    |
| <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          | %                          | < 65      |
| <b>THERMAL</b>                |                |                     |                            |           |
| Heat seal range               |                |                     | °F                         | 250 - 290 |
| Seal Strength                 | QB/T2358       |                     | g/inch                     | 1000      |
| 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  | ≤ 0.02    |
| Oxygen Transmission Rate      | (73°F/0% RH)   | ASTM D3985          | cc/100in <sup>2</sup> /24h | ≤ 1.94    |

\* 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.

Guidelines for printing

IMP126 is suitable for printing directly onto the metal surface of the film however best results are obtained by using a suitable primer before printing. Your ink consultant should be contacted for advise on printing this material.

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.

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