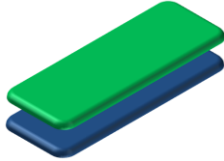




TECHNICAL DATA SHEET

TRANSPARENT, VERY HIGH BARRIER PET FILM

IMP242



AIOx top coated, very high barrier polyester surface
Transparent polyester core

IMP242 is a transparent AIOx PET film which has been top coated to give very high oxygen barrier and improved moisture barrier properties. IMP242 is suitable for printing and lamination and is designed for use in a variety of flexible packaging applications.

PRODUCT FEATURES

- Very high oxygen and moisture barrier
- Excellent gloss and transparency
- Can be printed and laminated on the top coated side

APPLICATIONS

- Very high barrier products that are not light sensitive
- Suitable for meat, fish, nuts, dried fruit, cheese and dried meats
- Used in a laminate structure to provide very high barrier flexible material suitable for form fill and seal, pouch, bag and lidding applications.

| PROPERTIES | | TEST METHOD | UNITS | IMP242 | IMP242 |
|-------------------------------|----------------|-------------|----------------------------|--------|--------|
| GENERAL | | | | | |
| Thickness | | Internal | ga | 48 | 92 |
| Density | | Internal | g/cm ³ | 1.40 | 1.40 |
| Yield | | Internal | lb/ream | 10.3 | 19.8 |
| | | Internal | in ² /lb | 41800 | 21800 |
| Surface Tension | Coated | ASTM D-2578 | dynes/cm | 40 | 40 |
| OPTICAL | | | | | |
| Haze | max | ASTM D-1003 | % | 3.0 | 3.0 |
| MECHANICAL | | | | | |
| Tensile Strength | MD | ASTM D-882 | psi | 28800 | 28800 |
| | TD | ASTM D-882 | psi | 31300 | 31300 |
| Elongation to Break | MD | ASTM D-882 | % | 100 | 100 |
| | TD | ASTM D-882 | % | 100 | 100 |
| Shrinkage 300°F / 30 min | MD | ASTM D-1204 | % | 2.0 | 2.0 |
| | TD | ASTM D1204 | % | 0.4 | 0.4 |
| Coefficient of Friction | Static | ASTM D-1894 | | 0.60 | 0.60 |
| | Dynamic | ASTM D-1894 | | 0.55 | 0.55 |
| BARRIER | | | | | |
| Water Vapor Transmission Rate | (100°F/90% RH) | ASTM E96 | g/100in ² /24h | 0.06 | 0.06 |
| Oxygen Transmission Rate | (73°F/0% RH) | ASTM D3985 | cc/100in ² /24h | 0.09 | 0.09 |

Guidelines for storage

IMP242 should be stored at below 105°F in its original wrapping and away from sources of direct sunlight.

Printing & Lamination

Consult with your ink and adhesive suppliers for appropriate materials for use with this product.

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

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