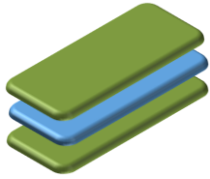


**PRODUCT DATA SHEET****TWO SIDE TREATED, NON-SEALABLE, SLIP MODIFIED,
TRANSPARENT BOPP FILM****IMP114**

Non-heat seal corona treated layer with low COF
 High transparency OPP Core
 Non-heat seal corona treated layer

Non-sealable, two side corona treated BOPP film, one side with low COF surface. IMP114 is designed for use in laminate structures as the surface web.

PRODUCT FEATURES

- One side with modified low COF
- Excellent ink adhesion on the treated surfaces
- Outstanding clarity and gloss
- Good antistatic and slip properties
- Food contact suitable

APPLICATIONS

- Suitable for reverse print and lamination applications
- Suitable for overlamination of labels
- Suitable for lamination to a wide range of polymer and non-polymer flexible materials
- Suitable for use in HFFS and VFFS applications with back fin seals
- Compatible with most print, ink and adhesive systems.

| PROPERTIES | TEST METHOD | UNITS | IMP114 | IMP114 | IMP114 | IMP114 | IMP114 | IMP114 | IMP114 | |
|--------------------------------|----------------|---------------------|---------------------------|--------|--------|--------|---------|--------|--------|-------|
| GENERAL | | | | | | | | | | |
| Thickness | Internal | ga | 47 | 58 | 71 | 80 | 100 | 118 | 157 | |
| Yield | ASTM D-1505 | lb/ream | 6.7 | 8.4 | 10.1 | 11.2 | 14.0 | 16.8 | 22.4 | |
| | Internal | in ² /lb | 64400 | 51500 | 42900 | 38600 | 30900 | 25700 | 19300 | |
| OPTICAL | | | | | | | | | | |
| Haze | ASTM D-1003 | % | | | | | | | | ≤ 2.0 |
| Gloss | ASTM D-2457 | @60°C | | | | | | | | > 85 |
| SURFACE | | | | | | | | | | |
| Wetting Tension | ASTM D-2578 | dynes/cm | | | | | | | | ≥ 38* |
| COF | Plain side | ASTM D-1894 | Film-Film | | | | ≤ 0.40 | | | |
| | Modified side | ASTM D-1894 | Film-Film | | | | ≤ 0.25 | | | |
| MECHANICAL | | | | | | | | | | |
| 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 | | | |
| THERMAL | | | | | | | | | | |
| Shrinkage (250°F/2 min) | MD | Internal | % | | | | ≤ 4.0 | | | |
| | TD | Internal | % | | | | ≤ 2.0 | | | |
| BARRIER | | | | | | | | | | |
| Water Vapour Transmission Rate | (100°F/90% RH) | ASTM F1249 | g/100in ² /24h | 0.68 | 0.61 | 0.55 | 0.48 | 0.39 | 0.32 | 0.26 |

* for up to 12 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 receipt. 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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