

HF330

White Voided Heat Sealable Film



WHITE VOIDED BOPP FILM

DESCRIPTION :

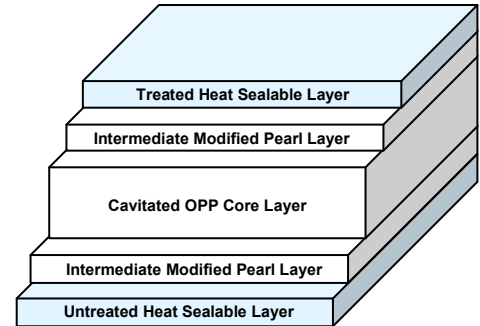
Gulf Pack HF330 is a white voided film, both side heat sealable, treated

PRODUCT FEATURES:

- Aesthetic pearl luster appearance
- Heat sealable both side
- Good opacity
- Good antistatic properties
- Good dead fold characteristics

APPLICATIONS:

- Rotogravure and Flexographic printing
- Lamination
- Single web structure
- HFFS & VFFS packaging



| PROPERTIES | | UNIT | TYPICAL VALUES | | | | | TEST METHOD. |
|-------------------------------------|-------------------------------------|---------------------------|-----------------------|--------|-------------|--------|---------------------------------|--|
| PHYSICAL | Thickness | Microns | 30 | 35 | 40 | 45 | 50 | ASTM D 374 |
| | | Gauge | 120 | 140 | 160 | 180 | 200 | |
| | Grammage | g/m ² | 21.90 | 25.55 | 29.20 | 32.85 | 36.50 | *GPIM |
| | | lbs/ream | 13.45 | 15.70 | 17.94 | 20.18 | 22.43 | |
| | Yield | m ² /kg | 45.66 | 39.14 | 34.24 | 30.44 | 27.40 | |
| | | in ² /lb | 31,170 | 27,576 | 24,124 | 21,446 | 19,304 | |
| | Density | g/cc | 0.73 | | | | | |
| Coefficient of Friction (Film/Film) | | 0.35 | | | | | ASTM D 1894 | |
| Surface Tension (Treated Side) | dynes/cm | 38 | | | | | ASTM D 2578 | |
| OPTICAL | Opacity | % | 70 | | 75 | | 80 | ASTM D589-97 |
| | Gloss (45°) | | 50 | | 55 | | 58 | ASTM D 2457 |
| MECHANICAL | Tensile Strength at Break | *MD | 8 | | | | | ASTM D 882 |
| | | *TD | 16 | | | | | |
| | | MD | 11,376 | | | | | |
| | | TD | 22,752 | | | | | |
| | Elongation at Break | MD | 135 | | | | | ASTM D 882 |
| TD | | 40 | | | | | | |
| THERMAL | Thermal Shrinkage | MD | < 4.0 | | | | | GPIM (120°C (248°F), 5 min, air) |
| | | TD | < 2.0 | | | | | |
| | Heat Seal Range | °C (°F) | 105 – 140 (221 – 284) | | | | | GPIM |
| | Heat Seal Strength (Film/Film) | g/15mm | 280 | | | | | GPIM (130°C, 1bar, 1sec) |
| lb/0.59in | | 0.66 | | | | | GPIM (266°F, 14.5psi, 1 sec) | |
| BARRIER | Water Vapor Permeability (W.V.T.R.) | g/m ² /24h | 6.9 - 7.1 | | 6.3 - 6.4 | | ASTM F 1249 (38°C / 90% RH) | |
| | | g/100in ² /24h | 0.44 – 0.45 | | 0.40 – 0.41 | | | |

* GPIM – Gulf Pack Internal Method

*MD – Machine Direction

*TD – Transverse Direction

Gulf Pack HF330 films comply with EU Regulation 10/2011/EC and USA FDA Code of Federal Regulations CFR21 section 177.1520 (c) 1.1 and are suitable for use in packaging, carrying and transporting foodstuffs.

The information contained in this technical leaflet illustrates typical values only and are to the best of our knowledge. Since the conditions under which our films may be used are beyond our control, such values are declared without warranty or guarantee.

Bi-axially oriented polypropylene films age with time and will exhibit deterioration of some properties if not stored in a suitable environment at a temperature 30°C or below. We strongly advise our customers to use recommended storage conditions and consume products before 6 months from date of production in our plant.

Detailed advice regarding other specific applications of **Gulf Pack HF330** and other films in the Gulf Pack range is available upon request.