



Description

- High gloss and optical density white cavitated film, one side sealable. The seal initiation temperature (S.I.T) is ≈ 105 °C on the sealing layer

Properties

- High heat seal strength
- Good hot tack properties
- Good moisture barrier
- High stiffness and tensile properties
- Excellent opacity
- Outstanding whiteness
- High gloss on the treated side
- Excellent cold seal acceptance
- Outstanding printing characteristics (High whiteness improves printing chromatic performance)

Typical Applications

- High speed confectionery (cold seal)
- Ice creams
- Bakery products
- Chocolate bars

Safeguards

- Release notes for Vibac Europe films are available on request

Typical values

PROVISIONAL

| PROPERTIES | | UNITS | TEST METHODS | | | | | |
|--------------------------------|------------------|---------------------------|---------------------------------|-----------------------------|-------|-------|-------|----|
| Thickness | | microns | DIN EN ISO 2286 1/2/3 | 30* | 35 | 40 | 50* | |
| Grammage | | g/m ² | | 21.90 | 25.55 | 29.20 | 36.50 | |
| Yield | | m ² /Kg | | 45.66 | 39.14 | 34.25 | 27.39 | |
| TENSILE PROPERTIES | | | | | | | | |
| Tensile strength | MD | N/mm ² | ASTM D882 DIN EN ISO 527-1/3 | 100 | 100 | 100 | 100 | |
| Elongation | MD | % | | 170 | 170 | 170 | 170 | |
| Secant Modulus 100% | MD | N/mm ² | | 70 | 70 | 70 | 70 | |
| Elastic Modulus 1% | MD | N/mm ² | | 1300 | 1300 | 1300 | 1300 | |
| Tensile strength | TD | N/mm ² | | 200 | 200 | 200 | 200 | |
| Elongation | TD | % | | 50 | 50 | 50 | 50 | |
| OPTICAL PROPERTIES | | | | | | | | |
| Gloss 45° | | % | | ASTM D2457 | 95 | 95 | 95 | 95 |
| Optical Density | | | IOQ 824.18 | 0.55 | 0.60 | 0.65 | 0.68 | |
| Opacity | | % | " | 72 | 75 | 78 | 79 | |
| Whiteness Index | | % | ASTM E313 | 85 | 85 | 85 | 85 | |
| THERMAL STABILITY | | | | | | | | |
| Shrinkage (hot air 130°C - 5') | MD | % | OPMA TC4a | 4 1 | | | | |
| | TD | % | | | | | | |
| COEFFICIENT OF FRICTION | | | | | | | | |
| Untr/Untr | dynamic | | ASTM D1894 DIN EN ISO 8295 | 0.45 0.25 | | | | |
| Untr/Met | dynamic | | | | | | | |
| SEALING | | | | | | | | |
| Sealing threshold range | Untr / Untr | °C | OPMA TC4 | ≈ 105 ≥ 150 | | | | |
| Seal strength 130°C | | g/cm | | | | | | |
| PERMEABILITY | | | | | | | | |
| OTR | 23°C 0% r.h. | cc/(m ² d atm) | ASTM D3985 | 1800 | 1700 | 1500 | 1200 | |
| WVTR | 37.8°C 100% r.h. | g/(m ² d) | ASTM F1249 | 5.5 | 5 | 4.5 | 3.5 | |
| WVTR | 23°C 85% r.h. | " | DIN 53122 | 1.2 | 1.1 | 1.0 | 0.9 | |
| TREATMENT | | | | | | | | |
| Surface tension | | dynes/cm | ASTM D2578 | 38 | | | | |

(*)Thickness available upon request

Guidelines for storage of OPP film

No special conditions are required for the storage of OPP films but it is recommended that dry conditions below 30°C are employed to minimise any deterioration of surface discharge treatment level. All OPP films should be allowed to reach operating room temperature for 24 hours before use. Polypropylene films characteristics are maintained for 6 months from the date of production except for metallized layer surface tension.

Food contact

Vifan PJ complies with the requirements of EEC directives and FDA regulation. Specific documentation and migration test results are available upon request.



The results obtained and above properties refer to average values of laboratory tests on samples of our standard production. It is understood that this entails no obligation and/or responsibility on our part. Customers should verify the suitability of the film for its specific end use. Therefore this document will not represent a product specification.