

HF200

One Side Matt, Other Side Glossy Surface Film



DESCRIPTION :

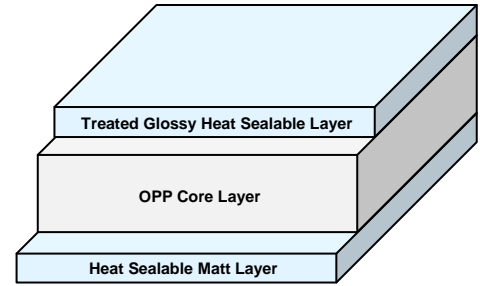
Gulf Pack HF200 is a BOPP film one side matt one side glossy both side heat sealable , treated

PRODUCT FEATURES :

One side matt surface, other side glossy
Both sides heat sealable
Glossy side treated for printing / lamination
Good antistatic property

APPLICATIONS :

Paper look lamination
Rotogravure and flexographic reverse printing
HFFS and VFFS packaging



| PROPERTIES | | UNIT | TYPICAL VALUES | | | | | TEST METHOD. | |
|-------------------------------------|--------------------------------|---------------------|--------------------|---------------------|--------|--------|---------------------------------|-----------------------------|--|
| PHYSICAL | Thickness | Microns | 15 | 18 | 20 | 25 | 30 | ASTM D 374 | |
| | | Gauge | 60 | 72 | 80 | 100 | 120 | | |
| | Grammage | g/m ² | 12.92 | 15.45 | 17.20 | 21.50 | 25.80 | *GPIM | |
| | | lbs/ream | 7.93 | 9.47 | 10.55 | 13.19 | 15.83 | | |
| | Yield | m ² /kg | 77.4 | 64.82 | 58.23 | 46.61 | 38.82 | | |
| | | in ² /lb | 54.48 | 45,662 | 40,980 | 32,805 | 27,323 | | |
| Coefficient of Friction (Film/Film) | | | 0.40 | | | | | ASTM D 1894 | |
| Surface Tension (Treated Side) | | dynes/cm | 38 | | | | | ASTM D 2578 | |
| OPTICAL | Haze | | % | | | | | 75 | ASTM D 1003 |
| | Gloss (45°) GS / MS | | | | | | | 50 / 10 | ASTM D 2457 |
| MECHANICAL | Tensile Strength at Break | *MD | kg/mm ² | 12 | | | | | ASTM D 882 |
| | | *TD | | 22 | | | | | |
| | | MD | psi | 17,064 | | | | | |
| | | TD | | 31,284 | | | | | |
| | Elongation at Break | MD | % | 180 | | | | | ASTM D 882 |
| | | TD | | 50 | | | | | |
| | Modulus of Elasticity | MD | kg/mm ² | 200 | | | | | ASTM D 882 |
| | | TD | | 375 | | | | | |
| MD | | psi | 284,400 | | | | | | |
| TD | | | 583,250 | | | | | | |
| THERMAL | Thermal Shrinkage | MD | % | < 4.0 | | | | | GPIM (120°C (248°F), 5 min, air) |
| | | TD | | < 2.0 | | | | | |
| | Heat Seal Range | | °C (°F) | 125– 140 (257– 284) | | | | | GPIM |
| | Heat Seal Strength (Film/Film) | g/15mm | 280 | | | | | GPIM (130°C, 1bar, 1sec) | |
| lb/0.59in | | 0.617 | | | | | GPIM (266°F, 14.5psi, 1 sec) | | |

* GPIM – Gulf Pack Internal Method

*MD – Machine Direction

*TD – Transverse Direction

Gulf Pack HF200 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.

Gulf Pack HF200 standard surface treatment location is on the glossy outer side (O); other treatment preference can be arranged upon agreement with the sales representative before order processing.

Detailed advice regarding other specific applications of Gulf Pack HF200 and other films in the Gulf Pack range is available upon request.