



SUPEARL

1112 MPM

Description

SUPEARL 1112 MPM is a white opaque, cavitated, biaxially oriented polypropylene (BOPP) film. Both sides treated. No heat seal property. Specially designed for surface print, single web labelling applications with improved stiffness, gloss and opacity.

Designed for high speed roll-fed labelling applications as surface print single web substrate for beverages, carbonated drinks, water, vegetable oil bottles.

Any possible caution for blocking tendency during printing process should be taken since the film is both sides treated. Please be informed that 1112 MPM replaces 1112 MPX which was a trial grade with preliminary data sheet.

Properties

- Low density and high yield
- Improved stiffness for excellent machinability
- Outstanding opacity to prevent product show-through
- Resistance to chemicals, greases and oils
- Excellent UV light protection
- Low moisture absorbance
- Excellent bonding to hot-melt glues
- Excellent cuttability
- Excellent dimensional stability
- Excellent ink adhesion
- Both sides treatment for promotion prints

Technical Features

| PROPERTIES | TEST METHOD | UNITS | | 1112 MPM |
|--|-------------|----------------------|--------------------|----------|
| THICKNESS | ASTM F2251 | micron | | 38 |
| | | Gauge | | 152 |
| YIELD | ASTM D4321 | m ² /kg | | 36,5 |
| | | in ² /Lbs | | 25.700 |
| UNIT WEIGHT | ASTM D4321 | g/m ² | | 27,4 |
| GLOSS (45 °) | ASTM D2457 | % | | 75 |
| LIGHT TRANSMISSION | ASTM D1746 | % | | 20 |
| OPACITY | DIN 53146 | % | | 80 |
| TENSILE STRENGTH AT BREAK | ASTM D882 | MD | N/mm ² | 80 |
| | | | lb/in ² | 11.600 |
| | | TD | N/mm ² | 160 |
| | | | lb/in ² | 23.200 |
| ELONGATION AT BREAK | ASTM D882 | MD | % | 130 |
| | | TD | | 40 |
| THERMAL SHRINKAGE (120 °C, 5 min, air) | ASTM D1204 | MD | % | 3 |
| | | TD | | 1 |
| COEFFICIENT OF FRICTION | ASTM D1894 | Film/Film | | 0,40 |
| | | Film/Metal | | 0,20 |
| SURFACE TENSION | ASTM D2578 | Dyne/cm | Treated Side | 38 |
| | | | Other Side | 38 |

Regulatory Status

Our product complies with the applicable EC legislation on packaging involving direct contact with foods except metallized films. Full details are given on the Regulatory Compliance Certificate and can be found on our web site.

The information contained in this data sheet is true and accurate according to current state of our knowledge and intended to give general information on our products and their applications. Above values are to be considered as guidelines and not as product specifications. Since the actual conditions of use are beyond our control, users are advised to make their own tests at their specific conditions of laboratory and/or actual use. We suggest our customers to determine final suitability for their specific end uses.

Also be advised that information on this data sheet shall not be construed as an inducement or recommendation to use any process or to manufacture or use any product in conflict with existing, pending or future patents.

For related spec sheet with tolerance values, please contact our sales departments