



SUPEARL

1111 SGM / 1112 SGM

Description

SUPEARL 1111 SGM and 1112 SGM are a white opaque, cavitated, biaxially oriented polypropylene (BOPP) film. One side or 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.

Properties

- Moderate density and yield
- Improved stiffness for excellent machinability
- Outstanding opacity to prevent product show-through
- Improved gloss for excellent graphic design
- Excellent dimensional stability and cuttability
- Excellent bonding to hot-melt glues
- Excellent ink adhesion
- The film shelf life is 6 months for 1111 SGM, 3 months for 1112 SGM

Technical Features

| PROPERTIES | TEST METHOD | UNITS | 1111 SGM | 1112 SGM |
|---|-------------|----------------------|--------------------|----------|
| 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 °) Treated Side | ASTM D2457 | % | 95 | |
| 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 | 170 |
| | | | lb/in ² | 24.700 |
| 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 | 0,30 | |
| | | Film/Metal | 0,25 | |
| SURFACE TENSION | ASTM D2578 | Dyne/cm | Treated Side | 38 |
| | | | Other Side | - |
| | | | | 38 |

“Product Identification (Decision 97/129/EC): PP5”

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 film can also be supplied with ISCC+ certified raw materials with the category of bio-circular feedstock under the product group of SUPRENEW and category of circular feedstock under the product group of SUPCYCLE. SUPRENEW and SUPCYCLE products are certified with “Mass Balance” chain of custody system under ISCC+ and due to chemical processing of the feedstock, there is no compromise & change on any specific feature of the film given in this TDS regardless of the sustainable content in the film. Therefore all product properties of this film covers the same product code with SUPRENEW or SUPCYCLE brand. Three digits will be added to the end of the ISCC+ certified product code. SUPRENEW products will be differentiated with Rxx (R will communicate that the film is circular xx code will communicate the sustainable content % of the film) and SUPCYCLE products will be differentiated with Pxx (P will communicate that the film is circular xx code will communicate the sustainable content % of the film). Further details of the sustainable content of the film will be given in the Sustainability Declaration (SD) prepared for each ISCC+ certified order.

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

| STANDARD ROLL DIMENSIONS | | | |
|------------------------------|--------------------------|---|-----------------|
| CORE INNER DIAMETER (ID) | CORE OUTER DIAMETER (OD) | LENGTH TOLERANCE | WIDTH TOLERANCE |
| 76 mm (3 in) & 152 mm (6 in) | 530 mm & 790 mm * | ± % 5 for ≤ 390 mm OD ± % 10 for > 390 mm OD | - 0 & + 4 mm |

* 790 mm OD is available for BOPP films above 350 mm width

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