

New !

Akylite®

Polypropylene Bubble Structure Sheet

Light graphic medium for all your silk screen or digital applications



Applications

This material can easily **replace wood, cardboard, polystyrene and polypropylene twinwall.**

Ideal medium for screenprinting or direct digital printing*.

Flat visual communication: outdoor advertising, signs, short-term POS.

Specialty advertising: packaging, displays and all printed volume media (files, boxes, suitcase box).

POS: ground, countertop, showcase and event POS, animation stands, displays.

For 1-sided (screen-printing) and 2-sided printing (digital printing).

* We recommend performing a test on both sides in advance in order to validate the print quality, which depends on the machine's parameters and on the inks used. The print result may be different on both sides.



Our product benefits

- Optimum rigidity and lightness
- Bubble structure
- Flat with beautiful sand surface
- Extremely light medium
- Product is 100% recyclable without sorting after its useful life (100% polypropylene composition)
- Resistant to moisture, oils and chemical agents

Your benefits

- High mechanical strength
- Only one reference to store for each format (no flute-wise)
- Highly tear-resistant
- Easy to fasten with ropes, chains or rilsans
- Easy to convert (cutting, scoring, sawing, creasing, milling, riveting)
- Optimized print quality
- Very cost-effective print medium
- Easy to handle
- Sustains your environmental action plan
- Can be used in various types of environments

VISUAL
COMMUNICATION

KaysersbergPlastics

Range



| | | | |
|--------------------------------------|---------------------------|---------------------------|---------------------------|
| Thickness (mm) | | 2,5 | 2,9 |
| Weight (g/m ²) | | 450 | 600 |
| Length (mm) | | > 500 | > 500 |
| Standard format (mm) | | 1200 x 800 1200 x 1600 | 1200 x 800 1200 x 1600 |
| Colour | | White | White |
| Treatment (2 sides) | | Corona* | Corona* |
| Palletization (sheets/pallet) | 1200 x 800 1200 x 1600 | 350 200 | 350 200 |
| Optional | - | - | B1 |

* Corona standard: variation of surface tension in order to improve ink adhesion, guaranteed for three months, at a minimum of 42 dynes/cm.
Additional features on request: antistatic.
Other formats available upon request: please contact us.

| | | | | |
|-------------------|--------------------------|-------------------------------|-------------------------|------------------------|
| Tolerances | Weight +/-10 % | Thickness +/-0,2 mm | Length +/-2 % | Width +/-1 % |
|-------------------|--------------------------|-------------------------------|-------------------------|------------------------|

Technical Characteristics

| | 2,5mm/450g | 2,9mm/600g | |
|---|------------|------------|----------|
| Bend fracture strength (N) | > 4 | > 10 | ISO 178 |
| Maximum force deformation (N) | > 2 | > 4 | ISO 178 |
| Rigidity and resistance to tearing and folding | yes | yes | |
| Permitted temperatures (°C) | -20 à +90 | -20 à +90 | |
| Water , moisture and weather resistance at ambient temperature. Material moisture uptake | < 0,1% | < 0,1% | |
| Shock resistance (23 °C et -30 °C) (500 g ball falling from 250 mm) | no damage | no damage | internal |
| Thermal expansion coefficient of PP (mm/°C/m) | 0,1 | 0,1 | interne |

Palletization other formats

| Width/quality | 2,5mm/450g | 2,9mm/600g |
|---------------|------------|------------|
| ≤ 800 mm | 350 | 350 |
| ≤ 1000 mm | 300 | 300 |
| ≤ 1600 mm | 200 | 200 |
| ≤ 1600 mm | 150 | 150 |

The results obtained and the properties mentioned refer to the average values of the laboratory tests carried out on standard production samples. It is understood that these data do not involve any obligation and/or responsibility on the part of Kaysersberg Plastics. We advise our customers to check that our products are properly suited to their specific final applications. This document does not therefore reiterate the specifications of the products described nor should it in any way be treated as a technical data sheet.

Recommended Inks

This information is only indicative and is non-exhaustive. A test print should be run in all cases. Do not hesitate to contact the suppliers for further information. Digital ink tests are currently underway.

| Suppliers | Technique | Inks |
|--------------------|----------------------------------|--|
| MARABU | Screenprinting | Maraprop PP, Marapoly P Ultraform UV FM170 |
| SERICOL | Screenprinting | Polydyne YD+ZC521, Poluscreen PS386+ZV551 Multydyne LY+ZE818, Uviplast UP+ZE832 |
| BRANCHET DUBUIT | Screenprinting Screenprinting | Kromoplast Range Uviplak + 5% hardener ST305 |

Akylite®

A Kaysersberg Plastics product

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