

Technical Fact Sheet



Polyart

The perfect marriage of paper and plastic. A synthetic paper that is as printable as it is durable. Polyart's unique clay coating ensures print quality that is vivid and colourful. Polyart is also an environmentally friendly synthetic paper suitable for indoor and outdoor applications.



Features

- Synthetic matt
- Coated features make it possible to print 4 colour process without changing inks or chemicals
- Water & oil resistant
- Tear resistant
- Suitable for indoor & outdoor applications
- Non toxic
- Available in reels on application

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- Suitable for contact with dry, nonaqueous or fatty foods, FDA regulations.
- Suitable for folding, perforating, pre-creased, varnished, embossed, foiled & sewn
- No grain direction, for improved folding
- Can be used in applications between -60 °c - 60 °c
- ISO 14001 Environmental Certification
- Other grammages available on request

Spicers Key Icons

[Download Spicers icons](#)

Application Text

- Books
- Labels
- Maps
- Outdoor use
- Packaging - Other
- Point of Sale
- Poster

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- Swing tags
- Tags
- Tear Resistant
- Waterproof

Printing Tips

- Normal ink suitable for multicolour work – 200gsm
- Most 100% oxidising inks work well (ink tack 16 or below)
- Manufactured from: · High-density polyethylene (HDPE)

Important Note

All statements, technical information and recommendation are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties of merchantability and fitness for the purpose: Sellers and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith.

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Print Process

- Can withstand extreme heat & cold, remaining dimensionally stable up to 60°C/140°F and down to -60°C/-76°F
- Due to its good UV resistance and weathering characteristics
- Polyart will not shrink or become brittle
- Due to its special manufacturing process Polyart has no grain direction, which allows it to easily conform to shapes of bottles, and increases its foldability
- Because Polyart is resistant to seawater, it is perfect for drum labels, shipping labels, etc
- Resistant to oily substances and most chemical products (i.e. ammonia, caustic soda, isopropyl alcohol)

Size Availability

| Colour | GSM |
|--------|-------------------|
| White | 90, 110, 170, 200 |

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Technical Data

| Properties | Method | Unit | | | | |
|---------------------|-----------------|-------------------------|--------------|---------------|---------------|---------------|
| Basis Weight | ASTM D646-92 | g/m | 90gsm | 110gsm | 170gsm | 200gsm |
| Thickness | ASTM D646-92 | microns | 110 | 140 | 215 | 250 |
| Brightness | ASTM D985 | % | 90 | 90 | 90 | 90 |
| Opacity | ASTM D589 | % | 94 | 95 | 98 | 98 |
| Tensile Strength | ISO527-3 | N/mm ² MD | 45 | 43 | 38 | 34 |