

# Sappi Silk

## Product Information



Sappi Silk is a coated fine paper available in sheets and reels for offset printing

### Technical specifications

| Parameter                       | Standard   | Unit               |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---------------------------------|------------|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Basis weight                    | ISO 536    | g/m <sup>2</sup>   | 90   | 100  | 115  | 130  | 135  | 150  | 170  | 200  | 250  | 300  | 350  | 400  | 450  |
| Brightness (illuminant D65/10°) | ISO 2470-2 | %                  | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100  |
| CIE whiteness (D65/10°)         | ISO 11475  | %                  | 127  | 127  | 127  | 127  | 127  | 127  | 127  | 127  | 127  | 127  | 127  | 127  | 127  |
| Opacity                         | ISO 2471   | %                  | 91   | 92,5 | 94,5 | 95   | 95,5 | 96,5 | 97,5 | 98   | 98,5 | 99   | 99,5 | 99,5 | 99,5 |
| Gloss TAPPI 75°                 | ISO 8254-1 | %                  | 38   | 38   | 38   | 38   | 38   | 38   | 38   | 38   | 38   | 38   | 38   | 38   | 22   |
| Roughness PPS                   | ISO 8791-4 | µm                 | 1,4  | 1,4  | 1,4  | 1,4  | 1,4  | 1,4  | 1,4  | 1,4  | 1,5  | 1,5  | 1,5  | 1,5  | 1,5  |
| Thickness                       | ISO 534    | µm                 | 74   | 82   | 94   | 107  | 111  | 125  | 141  | 168  | 225  | 282  | 347  | 412  | 477  |
| Bulk                            | ISO 534    | cm <sup>3</sup> /g | 0,82 | 0,82 | 0,82 | 0,82 | 0,82 | 0,83 | 0,83 | 0,84 | 0,90 | 0,94 | 0,99 | 1,03 | 1,06 |
| Relative humidity (23°C)        | TAPPI 502  | %                  | 50   | 50   | 50   | 50   | 50   | 50   | 50   | 50   | 50   | 50   | 50   | 50   | 50   |

### Print recommendations

|                         |   |
|-------------------------|---|
| Dot area                | For dot areas over 320% we recommend Under Colour Removal (UCR).  |
| Processing              | Allow paper time to acclimatise to press room conditions before removing outer packaging. Strapping bands (if applied) should be removed shortly after delivery. Outer wrappers should be removed only when ready to print. Ideal press room conditions should be 50% ± 5 % relative humidity at 20°C.                                    |
| Finishing               | Suitable for all standard finishes, foil laminating (>130 gsm), embossing and die cutting. Varnishes include: dispersion, print, UV, spot, relief, iriodin, scented & acqueous.   |
| Converting              | Pre-creasing before folding is recommended from 135 µm thickness onwards. Crease channel width should be a minimum of 2x paper thickness plus thickness creasing knife (plus or minus 0,2 mm). Crease channel depth should ± 1.5x paper thickness. Creasing knife 2 point (0,71 mm) (this and that depending on your crease/fold device). |
| Assisted drying methods | When using infra red drying methods, stack temperature should not exceed 37°C. Suitable for UV cure inks.   |

### Mill Certification

- The environmental performance is monitored and continuously improved according to the requirements of Eco-Management and Audit Scheme (EMAS).
- The quality of the manufacturing is managed according to the requirements of ISO 9001.
- The environmental aspects of the mill are managed according to the requirements of ISO 14001.
- The energy consumed and the emissions generated by the mill are managed according to ISO 50001.
- All fibers from sustainability and controlled sources. FSC™ may have limited availability, please check with your local sales office.
- All fibers from sustainability and controlled sources. PEFC™ may have limited availability, please check with your local sales office.
- The health and safety of the mill employees are managed according to the requirements of OHSAS 18001.

Packaging of product complies with packaging and waste directive 94/62/EC (article 11). Sappi Silk is fully recyclable.

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- All fibers from sustainable and controlled sources. PEFC™ may have limited availability, please check with your local sales office.
- All fibers from sustainable and controlled sources. FSC™ may have limited availability, please check with your local sales office.
- Only approved chemicals used, in compliance with BfR recommendation XXXVI 'Paper and Board for Food Contact'. Sappi Silk is suitable for direct contact with dry and fatty foodstuff.
- Meets the purity requirements (heavy metal content) of EN 71-3 'Toy Safety', part 3 'Migration of certain elements' and part 9 'Organic chemical compounds'.
- The key environmental parameters of the product are presented at the Paper Profile.
- Archivability tested according to the requirements of DIN 6738, Lifespan class - LDK 24-85.
- Pulp is bleached without the use of chlorine (ECF).
- Dry toner: Suitable for dry toner.