ConFlex Silk
WHITE MG KRAFT PAPER

Production Unit: Skärblacka PM10

**End uses**
ConFlex Silk is a strong paper with a glossy surface and enhanced smoothness through in line calendering. It is designed mainly for aluminium foil lamination and high quality flexography printing where high smoothness is required. Main end uses include high quality Flexible Packaging.

**Grammages**
35 - 110 gsm

**Materials**
ConFlex Silk is produced from pure bleached pulp and consists entirely of primary fibers. The long and strong fibres, from the forests of the Nordic region, give the paper its inherent strength.

**Printing method**
Flexography

**Approvals**
ConFlex Silk is produced in compliance with regulation (EC) No 1935/2004 and regulation (EC) No 2023/2026 with amendments on materials and articles intended to come into contact with food. ConFlex Silk complies with relevant parts of the food packaging norms BfR XXXVI, FDA 21 CFR §176.170, FDA 21 CFR §176.180, GB4806.1-2016 and GB4806.8-2016.

**Certification**
ConFlex Silk is produced at Billerud Skärblacka, which is certified in accordance with ISO 9001, ISO 14001 and with FSSC 22000.

**Material recovery**
ConFlex Silk is suited for material recycling (EN 13430) and energy recovery (EN 13431). ConFlex Silk fulfils the demands for industrial composting (EN 13432 clauses 4.2.2 and 4.3.2 and ISO 18606:2013) and has, in addition, been approved for home compostability.

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**Property** | **Unit** | **Method**
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Grammage | g/m² | 35 40 45 50 55 60 70 80 90 100 110 ISO 536
Thickness | µm | 44 49 54 60 65 70 81 91 102 113 123 ISO 534
Tensile strength | kN/m | 3.4 3.8 4.2 4.6 4.9 5.3 6.1 6.8 7.5 8.3 8.6 ISO 1924-3
| | MD | CD | 1.9 2.2 2.4 2.6 2.9 3.1 3.6 4.1 4.6 5.0 5.5
Bursting strength | kPa | 125 145 165 185 205 225 265 305 345 385 425 ISO 2758
Air resistance | s | 40 40 30 30 30 30 30 30 20 20 ISO 5636-5
Cobb 60s | g/m² | 26 26 26 26 26 26 27 27 27 27 27 ISO 535
Roughness (Bendtsen) | ml/min | MG | 50 50 50 55 55 55 55 60 65 65 70 75 500 ISO 8791-2
| | RS | 325 340 350 365 375 390 400 425 450 475 500
Opacity | % | 54 60 63 67 70 72 78 80 84 85 87 ISO 2471
ISO Brightness | % | 84 84 84 84 84 84 84 84 84 84 ISO 2470
Moisture content | % | 5.8 5.8 5.8 5.8 5.8 6.3 6.3 6.3 6.3 6.3 6.3 Online QCS

**MD** = Machine Direction | **CD** = Cross Direction | **MG** = MG-side/RS = Reverse side | **Test climate:** 50% RH, 23°C

The table shows typical values