



Date: March 24, 2021

ConFlex Repel 4D WHITE MG KRAFT PAPER

Production Unit: Skärblacka

End uses

ConFlex Repel 4D is a strong paper with a glossy, smooth surface. It is designed for extrusion coating, lamination and flexography printing and is used mainly in Flexible Packaging, Bags and Wrappings.

Grammages

35 - 60 gsm

Materials

ConFlex Repel 4D is produced from pure bleached pulp and consists entirely of primary fibres. The long and strong fibres, from the forests of the Nordic region, give the paper its inherent strength.

Printing method

Flexography

Approvals

ConFlex Repel 4D 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 Repel 4D 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 Repel 4D is produced at BillerudKorsnäs Skärblacka, which is certified in accordance with ISO 9001, ISO 14001 and with FSSC 22000.

Material recovery

ConFlex Repel 4D is suited for material recycling (EN 13430) and energy recovery (EN 13431).

| Property | Unit | | | | | | | | Method |
|-----------------------|------------------|----|-----|-----|-----|-----|-----|-----|------------|
| Grammage | g/m ² | | 35 | 40 | 45 | 50 | 55 | 60 | ISO 536 |
| Caliper | µm | | 48 | 53 | 59 | 64 | 69 | 75 | ISO 534 |
| Tensile strength | kN/m | MD | 4.1 | 4.7 | 5.2 | 5.7 | 6.3 | 6.8 | ISO 1924-3 |
| | kN/m | CD | 2.3 | 2.6 | 3.0 | 3.3 | 3.6 | 3.9 | |
| Tear strength | mN | MD | 175 | 220 | 270 | 320 | 365 | 415 | ISO 1974 |
| | mN | CD | 190 | 230 | 280 | 335 | 385 | 435 | |
| Burst Strength | kPa | | 145 | 170 | 190 | 215 | 240 | 265 | ISO 2758 |
| Air resistance | s | | 55 | 55 | 55 | 55 | 55 | 55 | ISO 5636-5 |
| Cobb 60s | g/m ² | MG | 26 | 26 | 26 | 26 | 26 | 26 | ISO 535 |
| Surface roughness | ml/min | MG | 95 | 100 | 105 | 110 | 115 | 125 | ISO 8791-2 |
| Grease/oil resistance | Kit test | MG | 4 | 4 | 4 | 4 | 4 | 4 | TAPPI 559 |
| | | RS | | | | | | | |
| Moisture | % | | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 6.2 | Online QCS |

MD = Machine Direction

CD = Cross Direction

MG = MG-side/RS = Reverse side

Test climate: 50% RH, 23C

The table shows typical values