

ConFlex Silk Plus

WHITE MG KRAFT PAPER

Production Unit: Skärblacka PM10

End uses

ConFlex Silk Plus is a strong paper with a glossy, closed surface and enhanced smoothness through in line calendering. It is designed for coating applications, rotogravure printing and high quality flexography printing where enhanced "hold out" and high smoothness are required. Main end uses include high quality Flexible Packaging.

Grammages

35 - 70 gsm

Materials

ConFlex Silk Plus 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, Rotogravure

Approvals

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

Material recovery

ConFlex Silk Plus is suited for material recycling (EN 13430) and energy recovery (EN 13431). ConFlex Silk Plus 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.

Property	Unit								Method
Grammage	g/m ²		35	40	45	50	60	70	ISO 536
Thickness	µm		44	49	54	59	69	80	ISO 534
Tensile strength	kN/m	MD	3.3	3.8	4.2	4.7	5.6	6.5	ISO 1924-3
	kN/m	CD	1.9	2.2	2.4	2.7	3.2	3.7	
Tearing resistance	mN	MD	175	220	270	315	410	505	ISO 1974
	mN	CD	220	250	305	365	480	595	
Bursting strength	kPa		120	142	164	186	230	275	ISO 2758
Air resistance	S		55	55	55	55	55	50	ISO 5636-5
Cobb 60s	g/m ²	MG	24	24	24	24	24	24	ISO 535
Roughness (Bendtsen)	ml/min	MG	50	50	50	55	55	60	ISO 8791-2
		RS	325	340	350	365	390	400	
Opacity	%		54	60	64	69	74	77	ISO 2471
ISO Brightness	%		84	84	84	84	84	84	ISO 2470
Moisture content	%		6.0	6.0	6.0	6.0	6.5	6.5	Online QCS

MD = Machine Direction

CD = Cross Direction

MG = MG-side/RS = Reverse side

Test climate: 50% RH, 23C

The table shows typical values