

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 fibres. 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.

Property	Unit												Method	
Grammage	g/m ²		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	MD	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
	kN/m	CD	1.9	2.2	2.4	2.6	2.9	3.1	3.6	4.1	4.6	5.0	5.5	
Tearing resistance	mN	MD	178	220	275	335	400	460	585	710	835	960	1088	ISO 1974
	mN	CD	220	260	315	390	460	530	675	820	960	1100	1250	
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	30	20	20	ISO 5636-5
Cobb 60s	g/m ²	MG	26	26	26	26	26	27	27	27	27	27	27	ISO 535
Roughness (Bendtsen)	ml/min	MG	50	50	50	55	55	55	60	65	65	70	75	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	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, 23C

The table shows typical values