

ConFlex Silk

WHITE MG KRAFT PAPER

Production Unit: Skärblacka and Gruvön

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. These fibers are from slow growing Scandinavian forest, which gives the paper its inherent strength.

Printing method

Flexography

Approvals

ConFlex Silk is produced in compliance with BfR and FDA food packaging norms.

Certification

ConFlex Silk is produced at BillerudKorsnäs Skärblacka and BillerudKorsnäs Gruvön, which are certified in accordance with ISO 900, ISO 14001 and ISO 50001. BillerudKorsnäs Gruvön is also certified in accordance with ISO 22000 and BillerudKorsnäs Skärblacka is certified in accordance with FSSC 22000. ConFlex Silk is certified as compostable in accordance with ISO 18606:2013 and EN 13432 (09-2000).

Property	Unit											Method	
Grammage	g/m ²		35	40	50	60	70	80	90	100	110	ISO 536	
Caliper	µm		43	47	58	71	80	91	102	112	124	ISO 534	
Tensile strength	kN/m	MD	3.3	3.8	4.7	6.0	6.8	7.8	8.7	9.6	10.5	ISO 1924-3	
	kN/m	CD	1.9	2.2	2.7	3.1	3.6	4.1	4.5	4.8	5.3		
Tear strength	mN	MD	200	250	350	430	580	660	800	890	1070	ISO 1974	
	mN	CD	210	260	380	520	650	780	910	1070	1210		
Burst Strength	kPa		120	140	180	240	280	320	360	430	440	ISO 2758	
Air resistance	s		30	30	30	30	30	30	30	30	30	ISO 5636-5	
Cobb 60s	g/m ²		MG	26	26	26	27	27	27	27	27	ISO 535	
Surface roughness	ml/min		MG	40	40	45	60	60	70	70	80	100	ISO 8791-2
			RS	200	200	230	310	320	360	380	440	500	
Opacity	%			56.5	60.5	67	79	82	85	87	89	90	ISO 2471
ISO Brightness	%			83	83	83	80	80	80	80	80	80	ISO 2470
Moisture	%			5.4	5.4	5.7	5.5	5.5	5.5	5.5	6.0	6.0	Online QCS

MD = Machine Direction

CD = Cross Direction

MG = MG-side/RS = Reverse side

Test climate: 50% RH, 23C

The table shows typical values