

Date: January 18, 2016

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

30 - 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 9001 and ISO 14001. BillerudKorsnäs Gruvön is also certified in accordance with ISO 22000 and BillerudKorsnäs Skärblacka in accordance with FSSC 22000.

Property	Unit											Method	
Grammage	g/m ²	30	35	40	50	60	70	80	90	100	110	ISO 536	
Caliper	µm	37	43	47	58	71	80	91	102	112	124	ISO 534	
Tensile strength	kN/m	MD	2.9	3.3	3.8	4.7	6.0	6.8	7.8	8.7	9.6	10.5	ISO 1924-3
	kN/m	CD	1.7	1.9	2.2	2.7	3.1	3.6	4.1	4.5	4.8	5.3	
Tear strength	mN	MD	165	200	250	350	430	580	660	800	890	1070	ISO 1974
	mN	CD	170	210	260	380	520	650	780	910	1070	1210	
Burst Strength	kPa		100	120	140	180	240	280	320	360	430	440	ISO 2758
Air resistance	s		30	30	30	30	30	30	30	30	30	30	ISO 5636-5
Cobb 60s	g/m ²	MG	26	26	26	26	27	27	27	27	27	27	ISO 535
Surface roughness	ml/min	MG	40	40	40	45	60	60	70	70	80	100	ISO 8791-2
		RS	200	200	200	230	310	320	360	380	440	500	
Opacity	%		50	56.5	60.5	67	79	82	85	87	89	90	ISO 2471
ISO Brightness	%		83	83	83	83	80	80	80	80	80	80	ISO 2470
Moisture	%		5.4	5.4	5.4	5.7	5.5	5.5	5.5	5.5	6.0	6.0	Measurex

MD = Machine Direction

CD = Cross Direction

MG = MG-side/RS = Reverse side

Test climate: 50% RH, 23C

The table shows typical values