



Date: September 27, 2019

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 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, which is certified in accordance with ISO 9001, ISO 14001 and with FSSC 22000.

ConFlex Silk is certified as industrial compostable and has been awarded with the TÜV Austria OK Compost mark in accordance with ISO 18606:2013 and EN 13432 (09-2000). In addition, ConFlex Silk has been approved for home compostability and awarded with the TÜV Austria OK Compost HOME mark.

Property	Unit													Method
Grammage	g/m ²		35	40	45	50	55	60	70	80	90	100	110	ISO 536
Caliper	µm		44	49	54	60	65	70	81	91	102	113	123	ISO 534
Tensile strength	kN/m	MD	3.6	4.0	4.4	4.8	5.2	5.6	6.4	7.2	7.9	8.7	9.0	ISO 1924-3
	kN/m	CD	2.0	2.3	2.5	2.8	3.0	3.3	3.8	4.3	4.8	5.3	5.8	
Tear strength	mN	MD	180	220	275	335	400	460	585	710	835	960	1090	ISO 1974
	mN	CD	220	260	315	390	460	530	675	820	960	1100	1250	
Burst 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
Surface roughness	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	%		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

This specification is valid until 2020-09-27, or until a new specification has been sent to the customer.