



Technical Data Sheet

Advantage Smooth White Strong

End Use:

Advantage Smooth White Strong is a calendered kraft paper with high strength and printability. We specially recommend to use it for carrier bags, shoppers, PE coating, form & fill packaging and ream wrapping.

Grammages:

Advantage Smooth White Strong is available in a basic weight range between 50 and 120 g/m².

Materials:

Advantage Smooth White Strong is made from bleached, long-fibre sulphate pulp. Bleached short-fibre

sulphate pulp is added to improve optical and surface properties.

Approvals:

Advantage Smooth White Strong fulfils the German, Dutch, and FDA regulations for papers in contact with foodstuffs.

Certification:

Production Advantage Smooth White Strong is certified according to the quality management system ISO 9001 and the environmental management system ISO 14001.

Properties		Test Method		Typical Values		
Basis Weight	g/m ²	ISO 536		50	60	70
Caliper	µm	ISO 534		73	85	97
Tensile Strength	kN/m	ISO 1924-3	MD	5,5	6,6	7,7
			CD	2,5	3	3,6
Stretch	%	EN ISO 1924-3	MD	2	2,1	2,2
			CD	7	7	7
Tea	J/m ²	EN-ISO 1924-3	MD	61,3	84,8	108,9
			CD	116,1	141,1	163,6
Tear	mN	ISO 1974	MD	475	600	805
			CD	600	750	910
Burst	kPa	ISO 2758		215	258	300
Air Resistance (Gurley)	s	ISO 5636-5		35	35	35
Cobb Print Side	g/m ²	ISO 535		25	25	25
Bendtsen Roughness Print Side	ml/min	ISO 8791-2		220	220	220
PPS Print Side	µm	ISO 8791-4		5,0	5,0	5,0
Gloss	%	TAPPI 480		13	13	13
Brightness	%	ISO 2470		85	85	85
Opacity	%	ISO 2471		66	72	76
Moisture	%	ISO 287		6	6	6
Validity: 01.01.2017 – 31.12.2017				Test Conditions: ISO 554 – 1976 (23 ± 1°C / 50 ± 2 %)		

MD= Machine Direction CD= Cross Direction

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Properties		Test Method		Typical Values		
Basis Weight	g/m ²	ISO 536		75	80	90
Caliper	µm	ISO 534		102	109	122
Tensile Strength	kN/m	ISO 1924-3	MD	8,3	8,8	9,9
			CD	3,9	4,2	4,7
Stretch	%	EN ISO 1924-3	MD	2,3	2,4	2,6
			CD	7	7	6,7
Tea	J/m ²	EN-ISO 1924-3	MD	121,2	134,4	159,5
			CD	174,7	187,2	207,3
Tear	mN	ISO 1974	MD	900	1000	1170
			CD	1012,5	1136	1305
Burst	kPa	ISO 2758		345	368	414
Air Resistance (Gurley)	s	ISO 5636-5		35	40	40
Cobb Print Side	g/m ²	ISO 535		25	25	25
Bendtsen Roughness Print Side	ml/min	ISO 8791-2		220	230	250
PPS Print Side	µm	ISO 8791-4		5,0	5,0	5,0
Gloss	%	TAPPI 480		13	13	13
Brightness	%	ISO 2470		85	85	85
Opacity	%	ISO 2471		78	79	82
Moisture	%	ISO 287		6	6	6
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Properties		Test Method		Typical Values		
Basis Weight	g/m ²	ISO 536		100	110	120
Caliper	µm	ISO 534		134	146	160
Tensile Strength	kN/m	ISO 1924-3	MD	11	12,1	13,2
			CD	5,2	5,7	6,2
Stretch	%	EN ISO 1924-3	MD	2,6	2,6	2,7
			CD	6,5	6,3	6,3
Tea	J/m ²	EN-ISO 1924-3	MD	179,2	191,6	207,6
			CD	224,3	242	254,2
Tear	mN	ISO 1974	MD	1300	148	1680
			CD	1450	1683	1836
Burst	kPa	ISO 2758		460	506	552
Air Resistance (Gurley)	s	ISO 5636-5		40	40	40
Cobb Print Side	g/m ²	ISO 535		25	25	25
Bendtsen Roughness Print Side	ml/min	ISO 8791-2		270	270	270
PPS Print Side	µm	ISO 8791-4		5	5,2	5,2
Gloss	%	TAPPI 480		13	13	13
Brightness	%	ISO 2470		85	85	85
Opacity	%	ISO 2471		84	86	88
Moisture	%	ISO 287		6	6	6
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