

Axello White

WHITE CALANDERED MF KRAFT PAPER

Production Unit: Gruvön

End uses

Axello White is used for packaging of sugar, flour, grains and other dry food. The high purity makes it suitable for food packaging.

Grammages

70-170 g/m²

Materials

Axello White is produced from pure, bleached kraft pulp and consists entirely of virgin fibres. It is a two layer construction where the print layer is a mixture of mainly short fibres and fillers. This construction combines excellent printability with high strength.

100% Sustainable

Renewable, recyclable, compostable and biodegradable.

Approvals

Axello White is produced in compliance with BfR and FDA food packaging norms and meets the requirements in EN13432 for biodegradability.

Certification

The Gruvön mill is certified in accordance with ISO 9001, ISO 14001 and ISO 22000. Axello White is available as FSC® (FSC-C108771) or PEFC™ (PEFC/05-33-135) certified material.

Packaging Performance

Packages* (1 kg) using Axello White 80 g/m² have a drop test height** of 1.1 m.

* Produced and filled with fine white sugar at Bosch PME 4061.

** Butt drop testing (ISO 7965/1) of 50 bags using the progressive height method cc0.7 + (n-1) x 0.1 m.

Property	Unit							Method
Grammage	g/m ²		70	80	90	100	110	ISO 536
Thickness	µm		86	98	109	120	131	ISO 534
Tensile strength	kN/m kN/m	MD CD	8.4 3.8	9.5 4.3	10.6 4.8	11.7 5.3	13.4 6.1	ISO 1924-3
Stretch	% %	MD CD	2.2 6.8	2.3 6.7	2.4 6.5	2.5 6.4	2.5 6.3	ISO 1924-3
TEA	J/m ² J/m ²	MD CD	120 180	140 200	160 220	180 240	210 260	ISO 1924-3
Tear strength	mN mN	MD CD	630 730	740 880	820 1000	935 1180	1040 1335	ISO 1974
Burst strength	kPa		350	400	450	515	580	ISO 2758
Bending resistance	mN mN	MD CD	80 35	115 50	155 75	200 100	260 130	ISO 2493
Roughness	ml/min	PS	200	220	240	260	270	ISO 8791-2
Air resistance	s		65	70	70	70	70	ISO 5636-5
Friction angle	Degrees		30	30	30	30	30	TAPPI T815
Brightness	%		81	81	81	81	81	ISO 2470
Whiteness			76	76	76	76	76	ISO 11475
Opacity	%		80	83	87	89	91	ISO 2471
Cobb 60s	g/m ²	PS	25	25	25	25	25	ISO 535
Moisture	%		7.0	7.0	7.0	7.0	7.0	ISO 287

MD = Machine Direction
The table shows typical values

CD = Cross Direction

Top side/WS = Wire Side

Test climate: 50% RH, 23C

Rev 2017-01

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Grammages

60-170 g/m²

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** Butt drop testing (ISO 7965/1) of 50 bags using the progressive height method cc0.7 + (n-1) x 0.1 m.

Property	Unit							Method
Grammage	g/m ²		120	130	140	150	170	ISO 536
Thickness	µm		143	154	165	177	200	ISO 534
Tensile strength	kN/m	MD	14.2	15.5	16.5	18.0	20.0	ISO 1924-3
	kN/m	CD	6.4	7.0	7.5	8.0	9.0	
Stretch	%	MD	2.6	2.6	2.7	2.7	2.8	ISO 1924-3
	%	CD	6.2	6.1	6.1	6.1	6.0	
TEA	J/m ²	MD	230	260	290	320	350	ISO 1924-3
	J/m ²	CD	280	300	320	340	360	
Tear strength	mN	MD	1200	1350	1500	1650	1900	ISO 1974
	mN	CD	1550	1740	1950	2150	2450	
Burst strength	kPa		640	700	770	830	900	ISO 2758
Bending resistance	mN	MD	330	410	500	610	800	ISO 2493
	mN	CD	180	215	260	300	380	
Roughness	ml/min	PS	285	300	320	340	380	ISO 8791-2
Air resistance	s		70	70	80	80	65	ISO 5636-5
Friction angle	Degrees		30	30	30	30	30	TAPPI T815
Brightness	%		81	81	81	81	81	ISO 2470
Whiteness			76	76	76	76	76	ISO 11475
Opacity	%		92	93	94	95	96	ISO 2471
Cobb 60s	g/m ²	PS	25	25	25	25	25	ISO 535
Moisture	%		7.0	7.0	7.0	7.0	7.0	ISO 287

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