

Axello Bright

WHITE CALANDERED MF KRAFT PAPER

Production Unit: Gruvön

End uses

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

Grammages

70-120 g/m²

Materials

Axello Bright 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. OBA is added for high Whiteness and Brightness.

100% Sustainable

Renewable, recyclable and biodegradable.

Approvals

Axello Bright 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 Bright is available as FSC® (FSC-C108771) or PEFC™ (PEFC/05-33-135) certified material.

Packaging Performance

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

* Produced and filled with fine white sugar at Bosch PME 406 I.

** 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	120	ISO 536
Thickness	µm		86	98	109	120	131	143	ISO 534
Tensile strength	kN/m	MD	8.4	9.5	10.6	11.7	13.1	14.2	ISO 1924-3
	kN/m	CD	3.8	4.3	4.8	5.3	6.1	6.4	
Stretch	%	MD	2.2	2.3	2.4	2.5	2.5	2.6	ISO 1924-3
	%	CD	6.8	6.7	6.5	6.4	6.3	6.2	
TEA	J/m ²	MD	120	140	160	180	210	230	ISO 1924-3
	J/m ²	CD	180	200	220	240	260	280	
Tear strength	mN	MD	630	740	820	935	1040	1200	ISO 1974
	mN	CD	730	880	1000	1180	1335	1550	
Burst strength	kPa		350	400	450	515	580	640	ISO 2758
Bending resistance	mN	MD	80	115	155	200	260	330	ISO 2493
	mN	CD	35	50	75	100	130	180	
Roughness	ml/min	PS	200	220	240	260	270	285	ISO 8791-2
Air resistance	s		65	70	70	70	70	70	ISO 5636-5
Friction angle	Degrees		30	30	30	30	30	30	TAPPI T815
Brightness	%		94	94	94	94	94	94	ISO 2470
Whiteness			125	124	123	123	122	122	ISO 11475
Opacity	%		80	83	87	89	91	92	ISO 2471
Cobb 60s	g/m ²	PS	25	25	25	25	25	25	ISO 535
Moisture	%		7.0	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

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