

Axello Swan

WHITE MF KRAFT PAPER

Production Unit: Pietarsaari

End uses

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

Grammages

60-120 g/m²

Materials

Axello Swan is produced from pure, white kraft pulp and consists entirely of virgin fibres. Axello Swan is soft calendered and long fiber based, including short fibres.

Approvals

Axello Swan is produced in compliance with BfR and FDA food packaging norms.

Certification

Pietarsaari mill is certified in accordance with ISO 9001, ISO 14001, OHSAS 18001 and FSSC 22000. Axello Swan is available as FSC® Certified paper (FSC-C113010) or PEFC™ (PEFC/02-31-216) certified material.

Packaging Performance

Packages* (1kg) using Axello Swan 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: 0.7 + (n-1) x 0.1 m.

Property	Unit												Method
Grammage	g/m ²		60	65	70	75	80	85	90	100	110	120	ISO 536
Thickness	µm		75	81	88	94	100	104	110	120	130	140	ISO 534
Tensile strength	kN/m	MD	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.0	11.0	12.0	ISO 1924-3
	kN/m	CD	3.3	3.6	3.9	4.1	4.4	4.7	5.0	5.5	6.0	6.6	
Tensile index	Nm/g	MD	100	100	100	100	100	100	100	100	100	100	ISO 1924-3
	Nm/g	CD	55	55	55	55	55	55	55	55	55	55	
Stretch	%	MD	1.9	1.9	2.0	2.0	2.0	2.1	2.2	2.3	2.4	2.4	ISO 1924-3
	%	CD	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	
TEA	J/m ²	MD	78	85	90	98	105	110	120	130	140	160	ISO 1924-3
	J/m ²	CD	155	170	180	195	210	220	235	260	285	310	
TEA Index	J/g	MD	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	ISO 1924-3
	J/g	CD	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
Tear strength	mN	MD	600	650	700	750	800	930	990	1100	1210	1440	ISO 1974
	mN	CD	660	710	770	820	880	1020	1080	1200	1320	1560	
Tear index	mNm ² /g	MD	10.0	10.0	10.0	10.0	10.0	11.0	11.0	11.0	11.0	12.0	ISO 1974
	mNm ² /g	CD	11.0	11.0	11.0	11.0	11.0	12.0	12.0	12.0	12.0	13.0	
Burst strength	kPa		240	260	290	315	345	365	395	440	485	540	ISO 2758
	kPa m ² /g		4.0	4.0	4.1	4.2	4.3	4.3	4.4	4.4	4.4	4.5	
Roughness	ml/min	WS	180	180	180	180	200	200	200	250	250	300	ISO 8791-2
	ml/min	TS	250	250	300	300	300	300	350	400	400	400	
Brightness	%		85	85	85	85	85	85	85	85	85	85	ISO 2470
Cobb 60s	g/m ²	WS	28	28	28	28	28	28	28	28	28	28	ISO 535
Air resistance	s		40	40	42	42	44	44	46	46	60	66	ISO 5636-5
Moisture	%		7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	ISO 287

MD = Machine Direction
CD = Cross Direction

TS = Top side
WS = Smooth Wire side (winded outside)

Test climate: 50% RH, 23C

Rev 2017-01

The table shows typical values