

Axello Tough White

WHITE MF KRAFT PAPER

Production Unit: Pietarsaari

End uses

Axello Tough White is a packaging paper with focus on strength and runnability. Axello Tough White is used for various kind of bags, where strength properties are of extreme importance.

Grammages

80-120 g/m²

Materials

Axello Tough White is produced from pure, white kraft pulp and consists entirely of virgin fibres. Axello Tough White is soft calendered. The long and strong fibres, from the slow-growing forests of the Nordic region, give the paper its inherent strength.

Approvals

Axello Tough White is produced in compliance with BfR and FDA food packaging norms. The carrying capacity of ready made carrier bags has been evaluated and Axello Tough White fulfills the requirements of EN 13590:2003.

Certification

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

Property	Unit						Method
Grammage	g/m ²		80	90	100	120	ISO 536
Thickness	µm		95	105	115	135	ISO 534
Tensile strength	kN/m	MD	7.6	8.5	9.5	11.4	ISO 1924-3
		CD	4.7	5.3	5.9	7.0	
Tensile index	Nm/g	MD	95	95	95	95	ISO 1924-3
		CD	59	59	59	59	
Stretch	%	MD	4.3	4.3	4.3	4.3	ISO 1924-3
		CD	8.0	8.0	8.0	8.0	
TEA	J/m ²	MD	185	210	240	285	ISO 1924-3
		CD	240	270	310	370	
TEA Index	J/g	MD	2.3	2.3	2.4	2.4	ISO 1924-3
		CD	3.0	3.0	3.1	3.1	
Tear strength	mN	MD	880	1050	1200	1440	ISO 1974
		CD	960	1100	1300	1560	
Tear index	mNm ² /g	MD	11.0	11.5	12.0	12.0	ISO 1974
		CD	12.0	12.5	13.0	13.0	
Burst strength	kPa	MD	480	540	600	780	ISO 2758
Burst index	kPam ² /g	CD	6.0	6.0	6.0	6.5	
Roughness	ml/min	WS	300	300	350	450	ISO 8791-2
		TS	450	450	500	550	
Brightness	%		84	84	84	84	ISO 2470
Cobb 60s	g/m ²	WS	28	28	28	28	ISO 535
Air resistance	s		35	40	45	45	ISO 5636-5
Moisture	%		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 2019-02

The table shows typical values