

## Axello Tough Brown

### BROWN MF KRAFT PAPER

Production Unit: Skärblacka

#### End uses

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

#### Grammages

120 g/m<sup>2</sup>

#### Materials

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

#### Approvals

Axello Tough Brown is produced in compliance with BfR and FDA food packaging norms

#### Certification

Skärblacka mill is certified in accordance with ISO 9001, ISO 14001 and ISO 50001.

Property	Unit	Typical values		Method
Grammage	g/m <sup>2</sup>	120		ISO 536
Tensile strength	kN/m	MD	9.6	ISO 1924-3
	kN/m	CD	8.4	
Tensile index	Nm/g	MD	80	ISO 1924-3
	Nm/g	CD	70	
Stretch	%	MD	5.0	ISO 1924-3
	%	CD	7.0	
TEA	J/m <sup>2</sup>	MD	336	ISO 1924-3
	J/m <sup>2</sup>	CD	420	
TEA Index	J/g	MD	2.8	ISO 1924-3
	J/g	CD	3.5	
TEA index geometric	J/g	3.2		
Tear strength	mN	MD	1680	ISO 1974
	mN	CD	1680	
Tear index	mNm <sup>2</sup> /g	MD	14.0	ISO 1974
	mNm <sup>2</sup> /g	CD	14.0	
Friction coeff. Static		WS	0.60	ISO 15359
Cobb 60s	g/m <sup>2</sup>	30		ISO 535
Air resistance	s	14		ISO 5636-5
Moisture	%	7.0		ISO 287

MD = Machine Direction  
CD = Cross Direction

TS = Top side (winded outside, recommended print side)  
WS = Wire side

Test climate: 50% RH, 23°C