BILLERUD

Technical data sheet

Date: January, 2023

QuickFill® Brown Xcel

BROWN SACK KRAFT PAPER

Production Unit: Skärblacka

End uses
QuickFill® Brown Xcel is particularly suitable for end-uses involving fast filling of valve sacks with powdered goods. High porosity means that the sacks do not normally need to be perforated. QuickFill® Brown SE is approved for sacks in accordance with the German norm for dangerous goods.

Grammages
70 – 120 g/m^2

Materials
QuickFill® Brown Xcel 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
QuickFill® Brown Xcel 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^2		70	75	80	85	ISO 536
Tensile strength	kN/m kN/m	MD CD	5.6 5.3	6.0 5.6	6.4 6.0	6.8 6.4	ISO 1924-3
Tensile index	Nm/g Nm/g	MD CD	80 75	80 75	80 75	80 75	ISO 1924-3
Stretch	% %	MD CD	7.0 8.0	7.0 8.0	7.5 8.0	7.5 8.0	ISO 1924-3
TEA	J/m^2 J/m^2	MD CD	238 250	255 270	272 280	289 297	ISO 1924-3
TEA Index	J/g J/g	MD CD	3.4 3.6	3.4 3.6	3.4 3.6	3.4 3.6	ISO 1924-3
TEA index geometric	J/g		3.5	3.5	3.5	3.5	
Tear strength	mN mN	MD CD	910 910	975 975	1120 1120	1190 1190	ISO 1974
Tear index	mNm^2/g mNm^2/g	MD CD	13.0 13.0	13.0 13.0	14.0 14.0	14.0 14.0	ISO 1974
Friction coeff. Static		WS	0.60	0.60	0.60	0.60	ISO 15359
Cobb 60s	g/m^2		30	30	30	30	ISO 535
Air resistance	s		5	5	5	5	ISO 5636-5
Moisture	%		7.0	7.0	7.0	7.0	ISO 287

MD = Machine Direction
CD = Cross Direction

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

Test climate: 50% RH, 23°C

BILLERUD

Technical data sheet

Property	Unit		Typical values			Method
Grammage	g/m^2		90	110	120	ISO 536
Tensile strength	kN/m kN/m	MD CD	7.2 6.8	8.3 7.7	9.0 8.4	ISO 1924-3
Tensile index	Nm/g Nm/g	MD CD	80 75	75 70	75 70	ISO 1924-3
Stretch	% %	MD CD	7.5 8.0	9.0 7.0	9.0 7.0	ISO 1924-3
TEA	J/m^2 J/m^2	MD CD	306 315	407 385	455 420	ISO 1924-3
TEA Index	J/g J/g	MD CD	3.4 3.6	3.8 3.5	3.8 3.5	ISO 1924-3
TEA index geometric	J/g		3.5	3.7	3.7	
Tear strength	mN mN	MD CD	1260 1260	1540 1540	1680 1680	ISO 1974
Tear index	mNm^2/g mNm^2/g	MD CD	14.0 14.0	14.0 14.0	14.0 14.0	ISO 1974
Friction coeff. Static		WS	0.60	0.60	0.60	ISO 2470
Cobb 60s	g/m^2		30	30	30	ISO 535
Air resistance	s		5	10	10	ISO 5636-5
Moisture	%		7.0	7.0	7.0	ISO 287

MD = Machine Direction
CD = Cross Direction

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

Test climate: 50% RH, 23°C