

Billerud Flute®

SC FLUTING

Product Description

Billerud Flute® is a superior Semi Chemical Fluting based on 100% primary fibres. Characteristics include extreme strength and consistent quality, which makes it suitable for the most demanding applications.

Grammages

120, 130, 140, 150, 160, 175, 220 g/m²

Approvals

Billerud Flute® is produced in compliance with FDA and BfR food packaging norms.

Certification

Production is certified in accordance with ISO 9001, ISO 14001, ISO 50001 and FSSC 22000.

Property	Unit	120	130	140	Method
Grammage	g/m ²	120	130	140	ISO 536
Caliper	µm	165	180	190	ISO 534
Air resistance	s	200	180	180	ISO 5636-5
CMT ₃₀	N	295	340	395	ISO 7263
CCT	kN/m	2,8	3,1	3,4	ISO 16945
Creep-CCT10	CD kg/m	57	63	70	Billerud*
SCT	MD kN/m	6,2	6,7	7,2	ISO 9895
	CD kN/m	3,4	3,7	4,0	
Tensile Stiffness	MD kN/m	1240	1330	1400	ISO 1924
	CD kN/m	440	480	510	
Burst strength	kPa	610	650	700	ISO 2758
Moisture	%	10	10	10	ISO 287

MD = Machine Direction CD = Cross Direction Test climate: 50% RH, 23°C

The table show typical data.

Rev. 202301

*Creep is defined as the slow continuous deformation of a material subjected to constant load during a long time. The CCT10 value is defined as the corresponding CCT load the material can carry for 10 days (240 hours) in 20°C and 90 % RH.

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Property	Unit						Method
Grammage	g/m ²	150	160	175	220		ISO 536
Caliper	µm	205	220	240	295		ISO 534
Air resistance	s	180	160	160	150		ISO 5636-5
CMT ₃₀	N	435	480	(520)	-		ISO 7263
CCT	kN/m	3,7	4,0	4,4	5,8		ISO 16945
Creep-CCT10	CD kg/m	77	83	89	124		Billerud*
SCT	MD kN/m	7,6	8,1	8,7	10,7		ISO 9895
	CD kN/m	4,3	4,7	5,1	6,4		
Tensile	MD kN/m	1460	1530	1660	1980		ISO 1924
	CD kN/m	540	580	630	780		
Burst strength	kPa	730	760	820	940		ISO 2758
Moisture	%	10	10	10	10		ISO 287

MD = Machine Direction CD = Cross Direction Test climate: 50% RH, 23°C

The table show typical data.

Rev. 202202

*Creep is defined as the slow continuous deformation of a material subjected to constant load during a long time. The CCT10 value is defined as the corresponding CCT load the material can carry for 10 days (240 hours) in 20°C and 90 % RH.