

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					Method
Grammage	g/m ²		120	130	140	ISO 536
Caliper	µm		165	180	190	ISO 534
Air resistance	s		180	180	160	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	
Moisture	%		10	10	10	ISO 287

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

The table show typical data.

Rev. 202502

**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	300	ISO 534
Air resistance		s	160	160	140	140	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	1960	ISO 1924
	CD	kN/m	540	580	630	760	
Moisture		%	10	10	10	10	ISO 287

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