

**Billerud Flute®**  
**SC FLUTING**

Production Unit: Gruvön Mill

**Product Description**

Billerud Flute® is our 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/m<sup>2</sup>

**Approvals**

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

**Certifications**

Gruvön Mill is certified in accordance with ISO 9001, ISO 14001 and FSSC 22000.

Property	Unit					Method
Grammage	g/m <sup>2</sup>		120	130	140	ISO 536
Thickness	µm		165	180	190	ISO 534
Air resistance	s		230	220	200	ISO 5636-5
CMT <sub>30</sub>	N		295	340	395	ISO 7263
CCT	kN/m		2,8	3,1	3,4	ISO 16945
Creep-CCT10	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	640	700	ISO 2758
Reel moisture	%		10	10	10	ISO 287

MD = Machine Direction

CD = Cross Direction

Test climate: 50% RH, 23C

Rev 2020-03

The table shows typical values

\*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 <sup>2</sup>		150	160	175	ISO 536
Thickness	µm		205	220	240	ISO 534
Air resistance	s		200	180	180	ISO 5636-5
CMT <sub>30</sub>	N		435	480	(520)	ISO 7263
CCT	kN/m		3,7	4,0	4,4	ISO 16945
Creep-CCT10	kg/m		77	83	89	Billerud *
SCT	MD	kN/m	7,6	8,1	8,7	ISO 9895
	CD	kN/m	4,3	4,7	5,1	
Tensile stiffness	MD	kN/m	1460	1530	1660	ISO 1924
	CD	kN/m	540	580	630	
Burst strength	kPa		730	760	820	ISO 2758
Reel moisture	%		10	10	10	ISO 287

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Property	Unit		Method
Grammage	g/m <sup>2</sup>		220 ISO 536
Thickness	µm		295 ISO 534
Air resistance	s		150 ISO 5636-5
CMT <sub>30</sub>	N		-- ISO 7263
CCT	kN/m		5,8 ISO 16945
Creep-CCT10	kg/m		124 Billerud *
SCT	MD	kN/m	10,7
	CD	kN/m	6,4
Tensile stiffness	MD	kN/m	2000
	CD	kN/m	780
Burst strength	kPa		990 ISO 2758
Reel moisture	%		10 ISO 287

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CMT is not applicable on high grammages.

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