

**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**

25, 27, 29, 31, 33, 36, 45 lb/1000ft<sup>2</sup>  
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 ISO 22000.

Property	Unit					Method
Grammage	lbf/1000ft <sup>2</sup> (g/m <sup>2</sup> )		25 (120)	27 (130)	29 (140)	ISO 536
Caliper	in/1000		6,5	7,1	7,5	ISO 534
Air resistance	s		240	220	200	ISO 5636-5
CMT <sub>30</sub>	lbf		66	76	89	ISO 7263
CCT <sub>30</sub>	lbf/6in		96	106	116	ISO 16945
Creep-CCT10	lb/ft		38	42	47	Billerud *
SCT	MD	lbf/in	35	38	41	ISO 9895
	CD	lbf/in	19	21	23	
Tensile stiffness	MD	lbf/in	6960	7420	7820	ISO 1924
	CD	lbf/in	2510	2740	2910	
Burst strength	Psi		88	93	102	ISO 2758
Reel moisture	%		10	10	10	ISO 287

MD = Machine Direction

CD = Cross Direction

Test climate: 50% RH, 73°F

Rev 2019-02

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 68°F and 90 % r.h.

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Grammage	lb/1000ft <sup>2</sup> (g/m <sup>2</sup> )		31 (150)	33 (160)	36 (175)	ISO 536
Caliper	in/1000		8,1	8,7	9,4	ISO 534
Air resistance	s		200	180	180	ISO 5636-5
CMT <sub>30</sub>	lbf		98	108	(117)	ISO 7263
CCT <sub>30</sub>	lbf/6in		127	137	151	ISO 16945
Creep-CCT10	lb/ft		52	56	60	Billerud *
SCT	MD	lbf/in	43	46	49	ISO 9895
	CD	lbf/in	25	27	29	
Tensile stiffness	MD	lbf/in	8160	8560	9360	ISO 1924
	CD	lbf/in	3080	3310	3600	
Burst strength	Psi		106	110	119	ISO 2758
Reel moisture	%		10	10	10	ISO 287

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Property	Unit		Method
Grammage	lb/1000ft <sup>2</sup> (g/m <sup>2</sup> )		45 (220) ISO 536
Caliper	in/1000		11,6 ISO 534
Air resistance	s		160 ISO 5636-5
CMT <sub>30</sub>	lbf		-- ISO 7263
CCT <sub>30</sub>	lbf/6in		199 ISO 16945
Creep-CCT10	lb/ft		83 Billerud *
SCT	MD	lbf/in	61
	CD	lbf/in	36
Tensile stiffness	MD	lbf/in	11300
	CD	lbf/in	4450
Burst strength	psi		144 ISO 2758
Reel moisture	%		10 ISO 287

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CMT is not applicable on high grammages.

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