

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

25, 27, 29, 31, 33, 36, 45 lb/1000ft²
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	lb/1000ft ²		25	27	29	ISO 536
	(g/m ²)		(120)	(130)	(140)	
Caliper	in/1000		6,5	7,1	7,5	ISO 534
Air resistance	s		180	180	180	ISO 5636-5
CMT ₃₀	lbf		66	76	89	ISO 7263
CCT	lbf/in		16,0	17,7	19,4	ISO 16945
Creep-CCT10	CD	lb/ft	38	42	47	Billerud*
SCT	MD	lbf/in	35,4	38,2	41,1	ISO 9895
	CD	lbf/in	19,4	21,1	22,8	
Tensile Stiffness	MD	lbf/in	7080	7590	7990	ISO 1924
	CD	lbf/in	2510	2740	2910	
Burst strength	Psi		88	94	102	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.

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*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	lb/1000ft ²		31	33	36	45	ISO 536
	(g/m ²)		(150)	(160)	(175)	(220)	
Caliper	in/1000		8,1	8,7	9,4	11,6	ISO 534
Air resistance	s		160	160	140	140	ISO 5636-5
CMT ₃₀	lbf		98	108	(117)	-	ISO 7263
CCT	lbf/in		21,1	22,8	25,1	33,1	ISO 16945
Creep-CCT10	CD	lb/ft	52	56	60	83	Billerud*
SCT	MD	lbf/in	43,4	46,2	49,7	61,1	ISO 9895
	CD	lbf/in	24,5	26,8	29,1	36,5	
Tensile Stiffness	MD	lbf/in	8330	8730	9480	11190	ISO 1924
	CD	lbf/in	3080	3310	3600	4340	
Burst strength	Psi		106	110	117	135	ISO 2758
Moisture	%		10	10	10	10	ISO 287

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