BILLERUD

Technical data sheet

Date: February 24, 2022

Billerud Flute®

SC FLUTING

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^2

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/m2	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 CD	kN/m kN/m	6,2 3,4	6,7 3,7	7,2 4,0	ISO 9895
Tensile Stiffness	MD CD	kN/m kN/m	1240 440	1330 480	1400 510	ISO 1924
Burst strength		kPa	610	650	700	ISO 2758
Moisture		%	10	10	10	ISO 287

MD = Machine Direction CD = Cross Direction PS = Print Side RS = Reverse Side Test climate: 50% RH, 23°C

The table shows typical data for a range of grammages. **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.*

BILLERUD

Technical data sheet

Date: February 24, 2022

Billerud Flute®

SC FLUTING

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^2

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/m2	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 CD	kN/m kN/m	7,6 4,3	8,1 4,7	8,7 5,1	10,7 6,4	ISO 9895
Tensile Stiffness	MD CD	kN/m kN/m	1460 540	1530 580	1660 630	1980 780	ISO 1924
Burst strength		kPa	730	760	820	950	ISO 2758
Moisture		%	10	10	10	10	ISO 287

MD = Machine Direction CD = Cross Direction PS = Print Side RS = Reverse Side Test climate: 50% RH, 23°C

The table shows typical data for a range of grammages. **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.*

General