

OPTIMUS TOP

OPTT / GC1

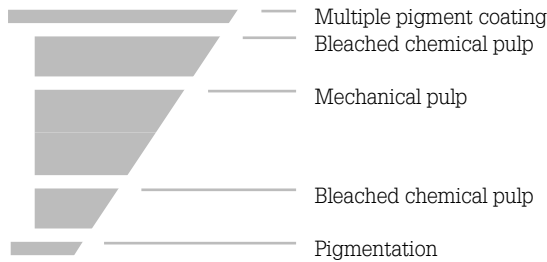
Code no. 11100

Mill

Baiersbronn Frischfaser Karton GmbH, Germany

Last update of values 16.04.2023

1 Board structure



	% of total board	+/- in % of total
Virgin fibre	90	5
Pigment coating	10	5
Total	100	

2 Technical specifications

Grammage	Caliper	Stiffness				
		L&W 5° md	L&W 5° cd	L&W 5°	Taber 15° md	Taber 15° cd
g/m ²	µm	mNm	mNm	$\sqrt{(\text{md} \times \text{cd})}$	mNm	mNm
230	345	20.9	8.7	13.5	12.6	4.9
250	385	26.8	11.4	17.5	15.6	6.3
275	440	34.9	15.2	23.0	18.2	7.9
300	490	44.7	19.5	29.5	23.7	9.9
325	540	55.5	24.7	37.0	28.3	11.7
350	590	65.3	29.7	44.0	33.7	14.2
375	640	77.1	35.1	52.0	39.7	16.8
400	690	90.9	42.3	62.0	44.9	19.1
425	740	107.2	51.1	74.0	51.7	23.1
450	790	124.6	59.3	86.0	59.8	26.2

Property	Value	Tolerances	Test standard
Brightness top (% Elrepho)	90	- 1	ISO 2470-2
Brightness reverse (% Elrepho)	84	+/- 1	ISO 2470-2
Grammage (g/m²)		+/- 2%	EN ISO 536
Caliper (µm)		+/- 5%, > 350 g/m ² +/- 3%	EN 20534
Stiffness (mNm)		- 15% ¹	DIN 53121
Testing climate	23°C	+/- 1°C	EN ISO 186
	50%	+/- 2% rh	
Recyclability	confirmed	in terms of the norm	EN 13430
Biodegradability	confirmed	in terms of the norm	EN 13432

¹Permissible: -15% of the target stiffness. This applies to 100% of all measured single values. The single value is a calculated average of five measurements per sheet. The stiffness has to be measured at both sides. The resulting average value is then the stiffness of the single sample. L&W 5° figures are binding, Taber figures are indicative.

All figures mentioned above may be subject to technical changes.

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OPTT / GC1 / Virgin Fibre Cartonboard

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Optimus Top – the optimum balance between luxury appearance and economic performance – is particularly well suited to smart, sophisticated packaging due to its excellent printing and runnability properties. Optimus Top is the reliable foundation for demanding production processes. Optimus Top is a genuine German quality product from the Black Forest.

Brightness

Top

90 %

Brightness

Reverse

84 %

1 Features

- impressive brightness
- excellent printing properties
- German quality
- excellent for hot foil and cold foil applications

2 Applications*

- Dry Food
- Chocolate and Confectionery
- Food Service
- Pharma and Health Care
- Cosmetics and Personal Care
- Tobacco

3 Mill Certificates

Downloadable certifications

Forest management

FSC® [CU-COC-888212](#)

PEFC™ [CU-PEFC-COC-888212](#)

Timber [Virgin Fiber Timber](#)

Hygiene management [ISO 22000 \(incl. HACCP\)](#)

Quality management [ISO 9001](#)

Energy management [ISO 50001](#)

4 Mill Information

The mill Baiersbronn (Germany) offers the following features:

- benchmark for service and constant quality
- specialised in cartonboard qualities for challenging applications
- experienced, innovative production team and professional technical support
- strategically located to the Western and Eastern European markets
- short transportation routes and flexible service guaranteed

*It is a general recommendation for enduse applications; legally binding is only the declaration of compliance issued by FOLBB for each individual type of cartonboard.