

OPTIMUS TOP

OPTT / GC1

Code no. 11100

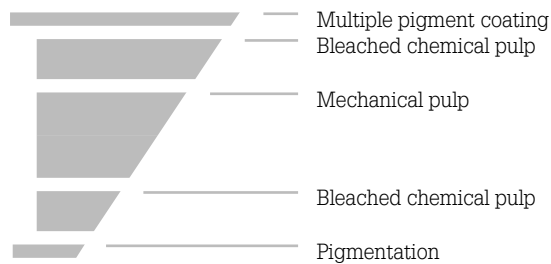


Mill

Baiersbronn Frischfaser Karton GmbH, Germany

Last update of values 02.06.2020

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	Taber 15° md	
		mNm	mNm	$\sqrt{(\text{md} \times \text{cd})}$	mNm	mNm
g/m ²	µm					
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 figures are binding, Taber figures are indicative.

All figures mentioned above may be subject to technical changes.

Vs. last version only board structure was changed, technical values stay unchanged.

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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

grammages:

230 250 275 300 325 350 375 400 425 450 g/m²

2 Applications*

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

3 Mill Certificates

Downloadable certifications

Forest management

FSC® [TUVDC-COC-100867-G](#)

FSC® [TUVDC-CW-100867-G](#)

PEFC™ [DC-COC-000867](#)

Hygiene management [EN 15593 \(HACCP\)](#)

Quality management [ISO 9001](#)

Energy management [ISO 50001](#)

4 Mill Informations

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 are only the declaration of compliance and the sensory statement issued by MM Karton for each individual type of cartonboard.

If you are interested in Optimus Top or have any further questions, please contact FFB@mm-karton.com www.mm-karton.com