MCB BROWN

MCB BR / GT4

Code no. 34114

Mill

MM Frohnleiten GmbH, Austria

Last update of values 24.09.2024

1. Board structure

	% of total	+/- in % of total
Virgin fibre	15	5
Paper from Post Industrial Waste (PIW)	15	5
Paper from Post Consumer Waste (PCW)	60	10
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/m²	µm / pt	mNm	mNm	$\sqrt{(md \times cd)}$	mNm	mNm
230	290 / 11.4	10.1	4.6	6.8	5.4	2.5
280	380 / 15.0	20.9	9.5	14.1	10.7	4.9
300	410 / 16.1	24.7	11.2	16.6	12.6	5.8
320	435 / 17.1	31.8	13.3	20.6	16.2	6.4
350	490 / 19.3	42.0	17.0	26.7	20.6	7.8
380	540 / 21.3	53.0	21.2	33.5	25.2	10.1
400	565 / 22.2	60.9	24.4	38.5	28.0	11.3
420	590 / 23.2	68.7	27.5	43.5	32.4	12.9
450	625 / 24.6	77.9	31.2	49.3	37.5	15.0
500	690 / 27.2	96.1	38.5	60.8	47.0	18.8

3.

Property	**Value**	**Tolerances**	**Test standard**
Brightness top (%)	82	- 1	ISO 2470-2
Grammage (g/m²)		+/- 2%	ISO 536
Caliper (µm)		+/- 5%, > 350 g/m² +/- 3%	ISO 534
Stiffness (mNm)		- 15%[1]	DIN 53121
Testing climate	23°C 50%	+/- 1°C +/- 2% rh	ISO 187
Recyclability	confirmed	in terms of the norm	EN 13430
Biodegradability	confirmed	in terms of the norm	EN 13432

[1]Permissible: -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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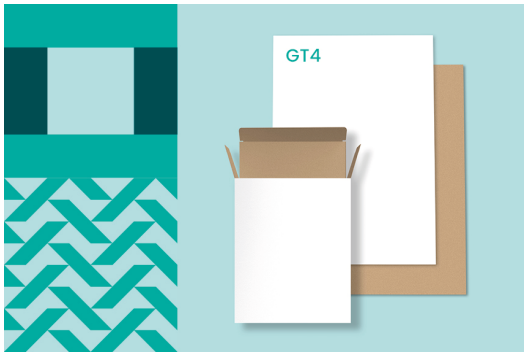

Discover MCB BROWN: Where Classic White Meets Natural Brown! The brown reverse side creates a natural appearance, while the high brightness on the top side enables vibrant printing results. MCB BROWN is known for its consistently high quality, good stiffness and smooth converting.

Brightness

Top

82 %

1. Features

- Natural brown reverse side
- High brightness on the top side
- Excellent printability and consistently high quality
- High bulk and good stiffness
- Smooth converting even at high speeds

2. Applications*

- Dry Food
- Chilled Food (secondary packaging)
- Frozen Food
- Fruit and Vegetable
- Cosmetics and Personal Care
- Detergent (powder)
- Other Non-Foods

3.Mill Certificates

Downloadable certifications

Forest management		
	PEFC	CU-PEFC-COC-900931
	FSC®	C003336
Environmental manag.		ISO 14001
		EMAS
Food Safety		ISO 22000
Quality management		ISO 9001

4. Mill Information

The mill Frohnleiten (Austria) offers the following features:

- Pioneer of the latest technologies and innovations
- Excellently equipped R&D center
- Highest production capacity of coated recycled cartonboard for folding cartons in Europe
- Strategically located to the Western, Eastern and Southern European markets
- Short transportation routes and flexible service guaranteed

5. Storage Recommendation

Storage conditions	temperature	relative humidity
Favorable dust free, climatised	20-23°C	50-55%

Please store in undamaged original wrapping film.

6. Acclimatisation

Temperature difference Pallet to printing room 20°C	Time in printing room before unpacking in hours		
5°C	10	11	12
10°C	20	22	24
15°C	30	34	35
20°C	40	46	50
Volume of pallet in m³	0.7	1.0	1.4

Remove the packaging film just before printing. Optimum processing climate: 22-23°C, 50-52% rel. humidity.

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

If you are interested in MCB BROWN or have any further questions, please contact

marketing-boardpaper@mm.group

mm.group/board-paper

General Terms of Trade