

MULTICOLOR SPEZIAL

MCS / GD3

Code no. 43131

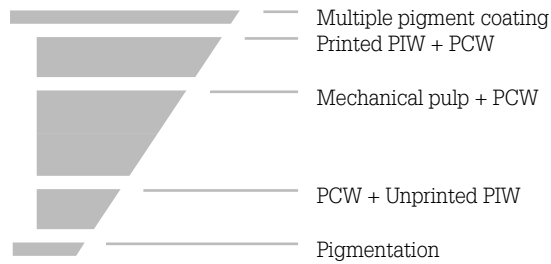


Mill

Mayr-Melnhof Kart. Frohnleiten Gesellschaft m.b.H., Austria

Last update of values 18.08.2021

1 Board structure



| | % of total board | +/- in % of total |
|------------------------|------------------|-------------------|
| Virgin fibre | 5 | 5 |
| PIW | 20 | 10 |
| PCW | 60 | 10 |
| Pigment coating | 15 | 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 | 280 | 8.0 | 3.6 | 5.4 | 3.6 | 1.7 |
| 250 | 300 | 10.7 | 4.9 | 7.2 | 5.8 | 2.6 |
| 280 | 345 | 16.6 | 7.6 | 11.2 | 8.1 | 3.7 |
| 300 | 370 | 20.5 | 9.3 | 13.8 | 10.7 | 4.9 |
| 320 | 400 | 27.2 | 10.9 | 17.2 | 13.6 | 5.5 |
| 350 | 450 | 33.0 | 13.2 | 20.9 | 17.8 | 7.2 |
| 380 | 500 | 42.7 | 17.1 | 27.0 | 21.7 | 8.6 |
| 400 | 530 | 49.7 | 19.9 | 31.4 | 25.0 | 10.0 |
| 420 | 560 | 55.1 | 22.1 | 34.9 | 27.6 | 11.1 |
| 450 | 600 | 67.6 | 27.1 | 42.8 | 34.4 | 13.7 |
| 500 | 675 | 93.8 | 37.6 | 59.4 | 46.4 | 18.5 |
| 550 | 755 | 118.0 | 47.3 | 74.7 | 58.3 | 23.4 |

| Property | Value | Tolerances | Test standard |
|-----------------------------------|-----------|---------------------------------------|---------------|
| Brightness top (% Elrepho) | 78 | - 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.

MULTICOLOR SPEZIAL

MCS / GD3 / Recycled Cartonboard

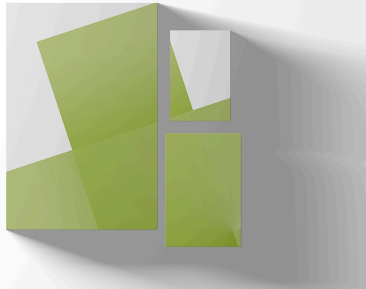
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Last update of values 13.08.2021



Multicolor Spezial – the economic choice – combines ecological with economic benefits. Complete reliability of supply can be guaranteed by production in two locations: Frohnleiten (Austria) and Gernsbach (Germany). Customers and distribution partners therefore benefit from maximum supply reliability as well as consistently high quality.

Brightness

Top

78 %

1 Features

- good converting results
- consistent, stable quality
- MultiMill concept: high supply reliability and short lead times due to production in two mills

grammages:

230 250 280 300 320 350 380 400 420 450 500

550 g/m²

3 Mill Certificates

Downloadable certifications

Forest management

FSC® [TUVDC-COC-100867-A](#)

FSC® [TUVDC-CW-100867-A](#)

PEFC™ [DC-COC-000867](#)

Environmental manag. [ISO 14001](#)

[EMAS](#)

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

Quality management [ISO 9001](#)

2 Applications*

- Chilled Food (secondary packaging)
- Beverages (secondary packaging)
- Shelf-Ready Packaging
- Other Non-Foods

4 Mill Information

The mill Frohnleiten (Austria) offers the following features:

- pioneer of the latest technologies and innovations
- largest R&D center in the cartonboard industry globally
- highest production capacity in the European cartonboard industry
- strategically located to the Western, Eastern and Southern 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 MM Karton for each individual type of cartonboard.

If you are interested in Multicolor Spezial or have any further questions, please contact

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www.mm-karton.com