

# MM TOPLINER

MMT / LIN

Code no. 44102

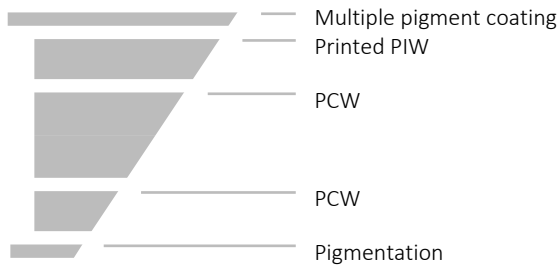


Mill

MM Neuss GmbH, Germany

Last update of values 15.02.2023

## 1 Board structure



	% of total	+/- in % of total
Paper from Post Industrial Waste (PIW)	20	10
Paper from Post Consumer Waste (PCW)	65	10
Pigment coating	15	5
<b>Total</b>	<b>100</b>	

## 2 Technical specifications

Grammage	Caliper	Burst strength	SCT cd
g/m <sup>2</sup>	μm / pt	kPa	kN/m
180	200 / 7.9	380	2.7
195	220 / 8.7	395	2.8
210	240 / 9.4	410	3.0
230	260 / 10.2	430	3.2
250	280 / 11.0	450	3.4
280	330 / 13.0	470	3.7
300	360 / 14.2	490	3.9

Property	Value	Tolerances	Test standard
Brightness top	83	- 1	ISO 2470-2
Smoothness PPS top (μm)	1.5	≤ 1.8	ISO 8791-4
Gloss 75° (%)	> 50		ISO 8254
Grammage (g/m <sup>2</sup> )		+/- 2%	ISO 536
Caliper (μm)		+/- 5%	ISO 534
Burst strength (kPa)		- 10%	ISO 2759
SCT cd (kN/m)		- 0.3	ISO 9895
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

For liner and not for folding carton applications.

# MM TOPLINER

MMT / LIN / White Top Coated Recycled Liner

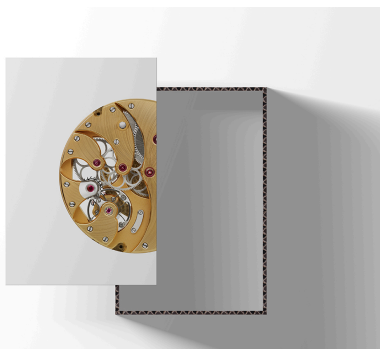
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MM Neuss GmbH, Germany

Last update of values 28.03.2023



MM Topliner – the market leader for top-class offset printing – impresses with exceptional colour density, excellent printing contrasts and the reproduction of detailed half-tone pictures. The reverse side of MM Topliner is treated with a preparation that facilitates lamination. MM Topliner turns any corrugated packaging into an eye-catcher and delivers the key competitive advantage at the POS.

Brightness

Top

83 %

## 1 Features

- High brightness
- Excellent smoothness
- Highest gloss levels
- Best opacity
- Homogenous structure thanks to multiple pigment coating

## 2 Applications\*

- Dry Food
- Frozen Food
- Fruit and Vegetable
- Beverages (secondary packaging)
- Detergent (powder)
- Shelf-Ready Packaging
- Other Non-Foods

## 3 Mill Certificates

Downloadable certifications

Forest management

PEFC [06-33-215](#)

FSC® [C003336](#)

Quality management [ISO 9001](#)

Energy management [ISO 50001](#)

## 4 Mill Information

The mill Neuss (Germany) offers the following features:

- High performance recycled liner and board machine – 5.25 m wide
- Optimal reel width for recycled liner up to 2.8 m
- Experienced, innovative production team and professional technical support
- Strategically located to the Western, Eastern and Southern European markets
- Flexible leadtimes and excellent service guaranteed

## 5 Storage Recommendation

Storage conditions	temperature	relative humidity
Favorable dust free, climatized	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 m <sup>3</sup>	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 MM Topliner or have any further questions, please contact

[marketing-boardpaper@mm.group](mailto:marketing-boardpaper@mm.group)

[www.mm-boardpaper.com](http://www.mm-boardpaper.com)

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