


## 1 Board structure

	Multiple pigment coating	% of total	+/- in % of total
	Unprinted PIW		
	Printed PIW + Mechanical pulp + PCW		
	Unprinted PIW		
	Pigmentation		
	<b>Virgin fibre</b>	20	5
	<b>PIW</b>	50	10
	<b>PCW</b>	20	10
	<b>Pigment coating</b>	10	5
	<b>Total</b>	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 <sup>2</sup>	µm	mNm	mNm	$\sqrt{(md \times cd)}$	mNm	mNm
230	305	13.2	6.0	8.9	7.3	3.0
250	330	16.7	7.3	11.0	9.3	3.7
280	370	22.0	9.6	14.5	11.9	4.7
300	400	28.0	12.2	18.5	14.7	5.9
320	430	34.0	14.8	22.4	17.9	7.2
350	465	43.8	19.0	28.9	22.4	8.9
400	530	62.2	27.0	41.0	31.1	11.9
450	605	82.6	34.4	53.3	39.3	14.9

Property	Value	Tolerances	Test standard
Brightness top	80	- 1	ISO 2470-2
Brightness reverse	72	+/- 2	ISO 2470-2
Grammage (g/m <sup>2</sup> )		+/- 2%	ISO 536
Caliper (µm)		+/- 5%, > 350 g/m <sup>2</sup> +/- 3%	ISO 534
Stiffness (mNm)		- 15% <sup>1</sup>	DIN 53121
Testing climate	23°C	+/- 1°C	ISO 187
	50%	+/- 2% rh	
Recyclability	confirmed	in terms of the norm	EN 13430
Biodegradability	confirmed	in terms of the norm	EN 13432

<sup>1</sup>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.



Belpak stands out above all on account of its excellent stiffness values and is ideal for use with high-quality packaging where the ecological benefit is considered to be vital.

Brightness

Top

80 %

Brightness

Reverse

72 %

## 1 Features

- good brightness
- consistent, stable quality
- high stiffness

## 2 Applications\*

- Dry Food
- Chilled Food (secondary packaging)
- Frozen Food
- Fruit and Vegetable
- Beverages (secondary packaging)
- Pharma and Health Care
- Cosmetics and Personal Care

## 3 Mill Certificates

Downloadable certifications

Forest management

PEFC [06-33-215](#)

FSC® [C003336](#)

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

Food Safety [ISO 22000](#)

Quality management [ISO 9001](#)

## 4 Mill Information

The mill Kolicevo (Slovenia) offers the following features:

- Board machine with swing mode
- Flexible production of virgin fibre and recycled cartonboard as well as liner
- Pioneer of product innovations (e.g. natural Kraft cartonboard)
- Experienced, innovative production team and professional technical support
- 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, 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 Belpak or have any further questions, please contact

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