

TECHNICAL DATA SHEET



BO

Foopak Bio Natura (BO) one side coating is an eco-friendly paperboard for food and beverage packaging, replacing plastic linings. It's PEFC and SFI certified, plastic-free (Flustix certified), OBA-free, recyclable, compostable, PFAS-free, with high-temperature resistance and strong edge wick, offering superior function compared to standard PE coated cupstocks.



PRODUCT SPECIFICATION

GRAMMAGE T 410 om-02		THICKNESS ISO 534:1988 (E)		STIFFNESS 15° T 556 om-05			
(g/m ²)	(24" x 36" 500)lb	(µm)	(pt)	CD (mNm)		MD (mNm)	
				Min	Target	Min	Target
*) 180 ± 4%	111 ± 4%	245 ± 4%	9.6 ± 4%	1.0	1.1	4.2	4.7
200 ± 4%	123 ± 4%	275 ± 4%	10.8 ± 4%	1.8	2.0	5.9	6.6
220 ± 4%	135 ± 4%	305 ± 4%	12.0 ± 4%	2.6	2.9	7.3	8.1
240 ± 4%	147 ± 4%	330 ± 4%	13.0 ± 4%	3.4	3.8	8.4	9.6
*) 250 ± 4%	154 ± 4%	335 ± 4%	13.2 ± 4%	3.6	4.0	9.3	9.8
270 ± 4%	166 ± 4%	370 ± 4%	14.6 ± 4%	4.6	5.1	10.9	12.1
290 ± 4%	178 ± 4%	395 ± 4%	15.6 ± 4%	6.1	6.8	13.6	15.1
310 ± 4%	190 ± 4%	425 ± 4%	16.7 ± 4%	7.0	7.8	16.6	18.4
*) 330 ± 4%	203 ± 4%	455 ± 4%	17.9 ± 4%	8.6	9.5	21.3	23.7
*) 340 ± 4%	209 ± 4%	465 ± 4%	18.3 ± 4%	9.4	10.4	24.5	27.2

*) Available Upon Request MOQ fulfillment

PROPERTY, UNIT	UNIT	METHOD	SIDE	VALUES
Brightness (D65/10°)	%	ISO 2470-2:2008 (E)	TOP	Min 77.0
Edge Wick	kg/m ²	Internal Mill	Lactic Acid 1%, 1 Hours	Max 1.6
Edge Wick	mm	Internal Mill	Hot water 95°C, 10 Minutes	Max 5
Odour		Internal Mill		Max 200
Dirt Spot	m ²	T 537 om-02	Spot size, mm ² 0.1-0.3	Max 60
			Spot size, mm ² 0.3-1.5	Max 10
			Spot size, mm ² >1.5	Max 0

*) Testing is done when production finished at room condition, Temp (°C) : 23 ± 1 and RH (%) : 50 ± 2, Storage condition requirement, Temp (°C) : 23 ± 1 and RH (%) : 50 ± 2

APPLICATION USED

- Hot Cup, Food Container, Rice Bowl, Soup Cup, Food Bucket, Snack Cup, Lunch Box & Horticultural Pot, Salad Bowl, Utensil.

RECOMMENDED PRINTING METHODS

- Flexographic
- Offset

Note :
 - For first time customer/new application, please conduct plant trial first before commercial order.
 - Due to Bionatura character "no corona" treatment, so strongly recommend to seek further technical advice and support from glue and ink vendors in terms of the board's adhesives compatibility and the board's printability/printing method respectively.



Rev.00
 Issue Date : September 10, 2024
 All parameters measured to 95% confidence interval



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Foopak Bio Natura (BG) two side asymmetric coating is an eco-friendly paperboard for food and beverage packaging, replacing plastic linings. It's PEFC and SFI certified, plastic-free (Flustix certified), OBA-free, recyclable, compostable, PFAS-free, with high-temperature resistance and strong edge wick, offering superior function compared to standard PE coated cupstocks.



PRODUCT SPECIFICATION

GRAMMAGE T 410 om-02		THICKNESS ISO 534:1988 (E)		STIFFNESS 15° T 556 om-05			
(g/m ²)	(24" x 36" 500)lb	(µm)	(pt)	CD (mNm)		MD (mNm)	
				Min	Target	Min	Target
*) 185 ± 4%	114 ± 4%	250 ± 4%	9.8 ± 4%	1.0	1.1	4.2	4.7
205 ± 4%	126 ± 4%	280 ± 4%	11.0 ± 4%	1.8	2.0	5.9	6.6
225 ± 4%	138 ± 4%	310 ± 4%	12.2 ± 4%	2.6	2.9	7.3	8.1
245 ± 4%	151 ± 4%	335 ± 4%	13.2 ± 4%	3.4	3.8	8.4	9.6
*) 255 ± 4%	157 ± 4%	340 ± 4%	13.4 ± 4%	3.6	4.0	9.3	9.8
275 ± 4%	169 ± 4%	375 ± 4%	14.6 ± 4%	4.6	5.1	10.9	12.1
295 ± 4%	181 ± 4%	400 ± 4%	15.7 ± 4%	6.1	6.8	13.6	15.1
315 ± 4%	194 ± 4%	430 ± 4%	16.9 ± 4%	7.0	7.8	16.6	18.4
*) 335 ± 4%	206 ± 4%	455 ± 4%	17.9 ± 4%	8.6	9.5	21.3	23.7
*) 345 ± 4%	212 ± 4%	470 ± 4%	18.5 ± 4%	9.4	10.4	24.5	27.2

*) Available Upon Request MOQ fullfilment

PROPERTY, UNIT	UNIT	METHOD	SIDE	VALUES
Brightness (D65/10°)	%	ISO 2470-2:2008 (E)	TOP	Min 77.0
Edge Wick	kg/m ²	Internal Mill	Lactic Acid 1%, 1 Hours	Max 1.6
Edge Wick	mm	Internal Mill	Hot water 95°C, 10 Minutes	Max 5
Odour		Internal Mill		Max 200
Dirt Spot	m ²	T 537 om-02	Spot size, mm ² 0.1-0.3	Max 60
			Spot size, mm ² 0.3-1.5	Max 10
			Spot size, mm ² >1.5	Max 0

*) Testing is done when production finished at room condition, Temp (°C) : 23 ± 1 and RH (%) : 50 ± 2, Storage condition requirement, Temp (°C) : 23 ± 1 and RH (%) : 50 ± 2

APPLICATION USED

- Hot Cup, Food Container, Rice Bowl, Soup Cup, Food Bucket, Snack Cup, Lunch Box & Horticultural Pot, Salad Bowl, Utensil.

RECOMMENDED PRINTING METHODS

- Flexographic
- Offset

Note :
 - For first time customer/new application, please conduct plant trial first before commercial order.
 - Due to Bionatura character "no corona" treatment, so strongly recommend to seek further technical advice and support from glue and ink vendors in terms of the board's adhesives compatibility and the board's printability/printing method respectively.



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BT

Foopak Bio Natura (BT) two side coating is an eco-friendly paperboard for food and beverage packaging, replacing plastic linings. It's PEFC and SFI certified, plastic-free (Flustix certified), OBA-free, recyclable, compostable, PFAS-free, with high-temperature resistance and strong edge wick, offering superior function compared to standard PE coated cupstocks.



PRODUCT SPECIFICATION

GRAMMAGE T 410 om-02		THICKNESS ISO 534:1988 (E)		STIFFNESS 15° T 556 om-05			
(g/m ²)	(24" x 36" 500)lb	(µm)	(pt)	CD (mNm)		MD (mNm)	
				Min	Target	Min	Target
*) 195 ± 4%	120 ± 4%	260 ± 4%	10.2 ± 4%	1.0	1.1	4.2	4.7
				1.8	2.0	5.9	6.6
				2.6	2.9	7.3	8.1
				3.4	3.8	8.4	9.6
*) 265 ± 4%	163 ± 4%	350 ± 4%	13.8 ± 4%	3.6	4.0	9.3	9.8
				4.6	5.1	10.9	12.1
				6.1	6.8	13.6	15.1
				7.0	7.8	16.6	18.4
*) 345 ± 4%	212 ± 4%	465 ± 4%	18.3 ± 4%	8.6	9.5	21.3	23.7
*) 355 ± 4%	218 ± 4%	480 ± 4%	18.9 ± 4%	9.4	10.4	24.5	27.2

*) Available Upon Request MOQ fullfilment

PROPERTY, UNIT	UNIT	METHOD	SIDE	VALUES
Brightness (D65/10°)	%	ISO 2470-2:2008 (E)	TOP	Min 77.0
Edge Wick	kg/m ²	Internal Mill	Lactic Acid 1%, 1 Hours	Max 1.6
Edge Wick	mm	Internal Mill	Hot water 95°C, 10 Minutes	Max 5
Odour		Internal Mill		Max 200
Dirt Spot	m ²	T 537 om-02	Spot size, mm ² 0.1-0.3	Max 60
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APPLICATION USED

- Hot Cup, Food Container, Rice Bowl, Soup Cup, Food Bucket, Snack Cup, Lunch Box & Horticultural Pot, Salad Bowl, Utensil.

RECOMMENDED PRINTING METHODS

- Flexographic
- Offset

Note :

- For first time customer/new application, please conduct plant trial first before commercial order.
- Strongly recommend to seek further technical advice and support from glue and ink vendors in terms of the board's adhesives compatibility and the board's printability/printing method respectively.



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