

# foopak™

Safer. Better.

# foopak



# Product Catalog

WE ARE IN TOUCH DIRECTLY TO YOUR FOOD,  
WITH VARIOUS FOODS PACKAGING TYPE.

# foopak



Foopak Bio Natura is eco-friendly direct-contact food and beverage packaging paperboard that is using special technology developed to replace the plastic lining used in food service packaging. Foopak Bio Natura is the right solutions to serve wide ranges of the F&B business.

Foopak Bio Natura uses only PEFC and SFI certified wood sources, plastic-free compliance (certified by Flustix), OBA-free, recyclable, compostable for both home and industrial schemes, PFAS-free, high-temperature resistance, and strong edge wick. Giving the product superior function over standard PE coated cupstocks.



# SOLUTION FOR ECO-FRIENDLY

## DIRECT-CONTACT FOOD AND BEVERAGE PACKAGING



### Product Features:

- PEFC & SFI certified
- Safe for food & beverage direct contact and FDA & Europe Union certified
- Eco-friendly
- Compostable (EN 13432)
- Recyclable and Repulpable without additional process (EN 13430 and ZSVR Germany from Institute Cyclos-HTP)
- Heat seal capability with permanent bonding thus the presence of adhesive is not required anymore
- High-temperature migration conformity according to BfR XXXVI, EU No. 1935/2004, EU No. 10/2011, EN 1186-13:2002
- Strong edge wicking resistance
- Microwaveable & ovenable compliance

### End Application:

Hot cup, Cold cup, Food container, Rice bowl, Noodle cup, Soup cup, Food bucket, Snack cup, Lunch box & Horticultural pot, Salad bowl, Utensil, Disposable sponge cake mold

### Printing Method:

UV Offset & UV Flexo cured by the UV curing such as Cathode Halide Lamp, UV LED, and UV EB

*\*recommended to seek further technical advice and support from the ink vendors in terms of quality compliance between printing inks, printing methods, and its paper-board*

### Temperature Range:

Minus 25°C up to 220°C, 1 hour Oven



# TECHNICAL

## DATA SHEET



**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), OBAfree, 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 <sup>2</sup> )	(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 and MOQ fulfillment

PROPERTY	UNIT	METHOD	SIDE	VALUES
Brightness, (D65/10°)	%	ISO 2470-2:2008 (E)	TOP	Min 77.0
Edge Wick	kg/m <sup>2</sup>	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 <sup>2</sup>	T 537 om-02	Spot size, mm <sup>2</sup> 0.1-0.3	Max 60
			Spot size, mm <sup>2</sup> 0.3-1.5	Max 10
			Spot size, mm <sup>2</sup> >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 USES

- 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



Rev.00

Issue date : September 10, 2024

All Parameters measured to 95% confidence interval





# TECHNICAL DATA SHEET



**Foopak Bio Natura (BG) two side asymmetric coating** is an ecofriendly 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/m²)	(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 and MOQ fulfillment

PROPERTY	UNIT	METHOD	SIDE	VALUES
Brightness, (D65/10°)	%	ISO 2470-2:2008 (E)	TOP	Min 77.0
Edge Wick	kg/m²	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	m²	T 537 om-02	Spot size, mm² 0.1-0.3	Max 60
			Spot size, mm² 0.3-1.5	Max 10
			Spot size, mm² >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 USES

- 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



Rev.00

Issue date : September 10, 2024

All Parameters measured to 95% confidence interval



# TECHNICAL DATA SHEET



**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), OBAfree, 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/m²)	(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
215 ± 4%	132 ± 4%	290 ± 4%	11.4 ± 4%	1.8	2.0	5.9	6.6
235 ± 4%	144 ± 4%	320 ± 4%	12.6 ± 4%	2.6	2.9	7.3	8.1
255 ± 4%	157 ± 4%	345 ± 4%	13.6 ± 4%	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
285 ± 4%	175 ± 4%	385 ± 4%	15.2 ± 4%	4.6	5.1	10.9	12.1
305 ± 4%	187 ± 4%	410 ± 4%	16.4 ± 4%	6.1	6.8	13.6	15.1
325 ± 4%	200 ± 4%	440 ± 4%	17.3 ± 4%	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 and MOQ fulfillment

PROPERTY	UNIT	METHOD	SIDE	VALUES
Brightness, (D65/10°)	%	ISO 2470-2:2008 (E)	TOP	Min 77.0
Edge Wick	kg/m²	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	m²	T 537 om-02	Spot size, mm² 0.1-0.3	Max 60
			Spot size, mm² 0.3-1.5	Max 10
			Spot size, mm² >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 USES

- 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



Rev.00

Issue date : September 10, 2024

All Parameters measured to 95% confidence interval





# foopak

Foopak Bio Container is eco-friendly folding box paperboard with direct contact food packaging capability that is developed to serve the trays, takeaway food boxes and sandwich packaging without any plastic lining on its surface. Foopak Bio Container produced using FEFC and SFI certified wood sources and designed to meet the food safety conformity according to the US FDA & EU, PFAS-free and recyclable.





# SOLUTION OF THE ECO-FRIENDLY

## TAKEAWAY BOX



### Product Features:

- Good MVTR performance to provide better freshness of the packaged food.
- Without any conventional plastic linin
- Heat seal capability
- High bulk, yield advantage
- High-temperature compliance (terms & conditions applied)
- Food safety compliance according to the EU and US FDA
- PFAS-free compliance
- Recyclability conformity according to requirements and assessment catalogue of the institute cyclos-HTP, DIN EN 13430 and ZSVR, issued by The Institute Cyclos – HTP Germany

### End Application:

Lunchbox, Tray, Food box, Sandwich box, Chocolate box, Take away container

### Printing Method:

Offset Litho, Letterpress

### Service Temperature Range:

5°C Up to 175°C, 30 Minutes Microwave

# TECHNICAL DATA SHEET



# GA

**Foopak Bio Container (GA)** Foopak Bio Container is eco-friendly folding box paperboard with direct contact food packaging capability that is developed to serve the trays, takeaway food boxes and sandwich packaging without any plastic lining on its surface. Foopak Bio Container is produced using PEFC and SFI certified wood sources and designed to meet the food safety conformity according to the US FDA as well as EU, PFAS-free and recyclability.



## PRODUCT SPECIFICATION

GRAMMAGE T 410 om-02		THICKNESS ISO 534:1988 (E)		STIFFNESS 15° T 556 om-05			
(g/m²)	(24" x 36" 500)lb	(µm)	(pt)	CD (mNm)		MD (mNm)	
				Min	Target	Min	Target
220 ± 5%	135 ± 5%	315 ± 4%	12.4 ± 4%	3.3	3.9	6.6	7.8
240 ± 5%	147 ± 5%	360 ± 4%	14.2 ± 4%	4.6	5.4	9.6	11.3
255 ± 5%	157 ± 5%	390 ± 4%	15.3 ± 4%	6.2	7.3	11.8	13.9
270 ± 5%	166 ± 5%	420 ± 4%	16.5 ± 4%	7.0	8.3	13.9	16.4
290 ± 5%	178 ± 5%	460 ± 4%	18.1 ± 4%	8.8	10.3	17.4	20.5
315 ± 5%	194 ± 5%	510 ± 4%	20.1 ± 4%	11.1	13.1	21.8	25.7
*) 340 ± 5%	209 ± 5%	560 ± 4%	22.0 ± 4%	13.3	15.6	26.2	30.8
*) 370 ± 5%	227 ± 5%	610 ± 4%	24.0 ± 4%	17.0	20.0	30.5	35.9

\*) Available upon request and MOQ fulfillment

PROPERTY	UNIT	METHOD	SIDE	VALUES
Brightness, (D65/10°)	%	ISO 2470-2:2008 (E)	TOP	90.0 ± 1.0
Gloss 75°	%		TOP	5.0 ± 5.0
Internal Bond Strength	J/m²	T 569 pm-00		Min 120
Water Absorption COBB (60s)	g/m²	T 441 pm-04	TOP	35-55
Water Absorption COBB (180s)	g/m²	T 441 om-04	TOP	Max 70

\*) Testing is done when production finished at room condition, Temp ( °C ) : 23 ± 1 and RH ( % ) : 50 ± 2. the level may go down due to external conditions which is out of control.

### APPLICATION USES

- Cake box, Tart box, Chocolate Packaging, Pharmaceutical, Confectionery, Base paper

### RECOMMENDED PRINTING METHODS

- Offset

### OTHER METHODS

- BfR XXXVI compliance

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



Rev.04

Issue date : July 30, 2024

All Parameters measured to 95% confidence interval



natura  
cup

foopak

Foopak Natura Cup is poly coated paperboard that is made from the virgin fibres taken from the PEFC certified and SFI wood sources, with natural shade, OBA-free, PFAS-free, strong wicking resistance and good barrier performance, as well as uniform rim formation and superior printability, with hygienic manufacturing standards for food and beverage applications, for hot, cold and deep-frozen. This product is designed to prevent any liquid seepage on the cutting side.





# OFFERS STRONG WICKING RESISTANCE

## AND GOOD BARRIER PERFORMANCE



### Product Features:

- PEFC and SFI certified
- Strong edge wicking resistance
- Good barrier performance
- Excellent uniform rim formation

### End Application:

PE 1/S and 2/S for Hot, Cold and Frozen food application, Bucket, Tray, Noodle Cup, Bowl, Container

### Printing Method:

Offset, Flexo

### Temperature Range:

Minus 40°C up to 100°C, 1 Minute Microwave

# TECHNICAL

## DATA SHEET



**Foopak Natura Cup (BS, BZ)** is poly coated paperboard that is made from the virgin fibers taken from the PEFC certified and SFI wood sources, with natural shade, OBA-free, PFAS-free, strong wicking resistance, and good barrier performance, as well as uniform rim formation and superior printability, with hygienic manufacturing standards for food and beverage applications, for hot, cold and deep-frozen. This product is designed to prevent any liquid seepage on the cutting side.



## PRODUCT SPECIFICATION

GRAMMAGE T 410 om-02		THICKNESS ISO 534:1988 (E)		STIFFNESS 15° T 556 om-05			
(g/m <sup>2</sup> )	(24" x 36" 500)lb	(μm)	(pt)	CD (mNm)		MD (mNm)	
				Min	Target	Min	Target
*) 170 ± 4%	104 ± 4%	235 ± 4%	9.3 ± 4%	1.0	1.1	4.2	4.7
190 ± 4%	117 ± 4%	265 ± 4%	10.4 ± 4%	1.8	2.0	5.9	6.6
210 ± 4%	129 ± 4%	295 ± 4%	11.6 ± 4%	2.6	2.9	7.3	8.1
230 ± 4%	141 ± 4%	320 ± 4%	12.6 ± 4%	3.4	3.8	8.4	9.6
*) 240 ± 4%	147 ± 4%	325 ± 4%	12.8 ± 4%	3.6	4.0	9.3	9.8
260 ± 4%	160 ± 4%	360 ± 4%	14.2 ± 4%	4.6	5.1	10.9	12.1
280 ± 4%	172 ± 4%	385 ± 4%	15.2 ± 4%	6.1	6.8	13.6	15.1
300 ± 4%	184 ± 4%	415 ± 4%	16.3 ± 4%	7.0	7.8	16.6	19.5
*) 320 ± 4%	197 ± 4%	440 ± 4%	17.3 ± 4%	8.6	9.5	21.3	23.7
*) 330 ± 4%	208 ± 4%	455 ± 4%	17.9 ± 4%	9.4	10.4	24.5	27.2

\*) Available upon request and MOQ fulfillment

PROPERTY	UNIT	METHOD	SIDE	VALUES
Moisture Content	%	T 412 om-02		7.5 ± 1.0
Brightness, (D65/10°)	%	ISO 2470-2:2008 (E)	TOP	Min 80.5
Edge Wick	kg/m <sup>2</sup>	Internal Mill	Lactic Acid 1%, 1 Hours	Max 1.60
Surface Tension	Dyne/cm	ASTM D2578-09	PE Side	Min 38
Dirt Spot	m <sup>2</sup>	T 537 om-02	Spot size, mm <sup>2</sup> 0.1-0.3	Max 60
			Spot size, mm <sup>2</sup> 0.3-1.5	Max 10
			Spot size, mm <sup>2</sup> >1.5	Max 0

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

## LDPE POLY CONFIGURATIONS

GSM, g/m <sup>2</sup>	±2	15	18	20	22	24
Brightness, (D65/10°)	Min	12	15	28	20	22

- Available in both [BS] single-sided and [BZ] double-sided poly configuration, in choice of gloss or matte finish.
- Surface treatment is normally applied for improvement printability, customer may make special request for no treatment.
- PE coated weight and thickness is to be added in base paper to get final, example : BS-348 gsm (0/330/18G) -> Basis Weight : 330 + 18 = 348 gr/m<sup>2</sup>  
Thickness : 455 + 15 = 470 μm

## APPLICATION USES

- Hot Cups, Cold Cups, Rice Bowl, Soup Bowl, Noodle Bowl, Take Away Boxes, Ice Cream Cup

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

## RECOMMENDED PRINTING METHODS

- Flexographic
- Offset



Rev.04  
Issue date : July 22, 2024  
All Parameters measured to 95% confidence interval



natura  
gloss

foopak

Foopak Natura Gloss is poly-coated paperboard with natural shade that is made from the PEFC and SFI certified wood sources, PFAS-free, comply to serve for food and beverage applications, safe for both hot and cold applications. Foopak Natura Gloss offers strong wicking resistance and good barrier performance and provide excellent printing quality with rich of vivid colors due to the presence of pigment coating on the top side/printed side.





# COMPLY TO SERVE FOR FOOD AND BEVERAGE APPLICATIONS,

SAFE FOR BOTH HOT  
AND COLD APPLICATIONS.



## Product Features:

- PEFC and SFI certified
- Strong edge wicking resistance
- Good barrier performance
- Excellent uniform rim formation

## End Application:

High printing result cup, Ice cream, Soup, Bowl

## Printing Method:

Offset, Flexo

## Temperature Range:

Minus 18°C up to 100°C, 1 Minute Microwave

# TECHNICAL

## DATA SHEET

natura  
gloss™

# foopak PS, PZ

**Foopak Natura Gloss (PS, PZ)** is poly-coated paperboard with natural shade that is made from the PEFC and SFI certified wood sources, PFAS-free, comply to serve for food and beverage applications, safe for both hot and cold applications. Foopak Natura Gloss offers strong wicking resistance and good barrier performance and provides excellent printing quality with rich of vivid colors due to the presence of pigment coating on the top side/printed side.



## PRODUCT SPECIFICATION

GRAMMAGE		THICKNESS		STIFFNESS 15°			
T 410 om-02		ISO 534:1988 (E)		T 556 om-05			
(g/m <sup>2</sup> )	(24" x 36" 500)lb	(µm)	(pt)	CD (mNm)		MD (mNm)	
				Min	Target	Min	Target
190 ± 4%	117 ± 4%	247 ± 4%	9.7 ± 4%	1.9	2.1	5.0	5.6
210 ± 4%	129 ± 4%	275 ± 4%	10.8 ± 4%	2.1	2.47	6.0	6.7
230 ± 4%	141 ± 4%	300 ± 4%	11.8 ± 4%	3.1	3.5	7.5	8.4
260 ± 4%	160 ± 4%	345 ± 4%	13.6 ± 4%	4.9	5.5	10.5	11.7
270 ± 4%	166 ± 4%	355 ± 4%	14.0 ± 4%	5.1	5.7	11.5	13.1
300 ± 4%	184 ± 4%	395 ± 4%	15.6 ± 4%	6.2	6.9	12.3	13.7
*)320 ± 4%	197 ± 4%	430 ± 4%	16.9 ± 4%	8.1	9.0	19.7	21.9

\*) Available upon request and MOQ fulfillment

PROPERTY	UNIT	METHOD	SIDE	VALUES
Moisture Content	%	T 412 om-02		7.5 ± 1.0
Brightness, (D65/10°)	%	ISO 2470-2:2008 (E)	TOP	Min 81.0*)
Internal Bond Strength	J/m <sup>2</sup>	T 569 pm-00		Min 150
Water Absorption COBB (180s)	g/m <sup>2</sup>	T 441 om-04	TOP	Max 70
Edge Wick	kg/m <sup>2</sup>	Internal Mill	Lactic Acid 1%, 1 Hours	Max 1.60
Surface Tension	Dyne/cm	ASTM D2578-09	PE Side	Min 38
Dirt Spot	m <sup>2</sup>	T 537 om-02	Spot size, mm <sup>2</sup> 0.1-0.3	Max 60
			Spot size, mm <sup>2</sup> 0.3-1.5	Max 10
			Spot size, mm <sup>2</sup> >1.5	Max 0

\*) Brightness for trial reference.

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

## LDPE POLY CONFIGURATIONS

GSM, g/m <sup>2</sup>	±2	15	18	20	22	24
Brightness, (D65/10°)	Min	12	15	28	20	22

- Available in both [PS] single-sided and [PZ] double-sided poly configuration, in choice of gloss or matte finish.
- Surface treatment is normally applied for improvement printability, customer may make special request for no treatment.
- PE coated weight and thickness is to be added in base paper to get final, example : PS-248 gsm (0/230/18G) -> Basis Weight : 230 + 18 = 248 gr/m<sup>2</sup>  
Thickness : 350 + 15 = 315 µm

## APPLICATION USES

- High printing result cup, Ice cream, soup, noodle

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

## OTHER FEATURE

- Good printability, Strong edge wicking resistance

## RECOMMENDED PRINTING METHODS

- Flexo
- Offset



Rev.00

Issue date : October 01, 2024

All Parameters measured to 95% confidence interval



PE  
Board

foopak

Foopak PE Board is poly-coated folding box paperboard that is made from the PEFC and SFI certified wood sources, PFAS-free, comply to serve direct contact/primary food packaging applications which provides extra protection for the food, combines with the capabilities to be stored in both fridge and frozen condition.





# DESIGNED FOR EXTRA PROTECTION

COMBINES WITH THE  
CAPABILITIES TO BE  
STORED IN BOTH FRIDGE  
AND FROZEN CONDITION



## Product Features:

- PEFC and SFI certified
- Superior poly bonding strength
- Excellent sealing performance
- Good printability with corona system applied
- Excellent stiffness in low temperature and frozen condition
- High bulk, yield advantage

## End Application:

Meat tray, Seafood, Take away box, Snack box

## Printing Method:

Offset

## Temperature Range:

5°C up to 100°C, 1 Minute Microwave

# TECHNICAL DATA SHEET



**Foopak PE Board (QL, QZ)** is poly-coated folding box paperboard that is made from the PEFC and SFI certified wood sources, PFAS-free, comply to serve direct contact/primary food packaging applications which provides extra protection for the food, combines with the capabilities to be stored in both fridge and frozen condition.



## PRODUCT SPECIFICATION

GRAMMAGE T 410 om-02		THICKNESS ISO 534:1988 (E)		STIFFNESS 15° T 556 om-05			
(g/m <sup>2</sup> )	(24" x 36" 500)lb	(µm)	(pt)	CD (mNm)		MD (mNm)	
				Min	Target	Min	Target
210 ± 4%	129 ± 4%	305 ± 4%	12.0 ± 4%	3.3	3.9	6.6	7.8
230 ± 4%	141 ± 4%	350 ± 4%	13.8 ± 4%	4.6	5.4	9.6	11.3
245 ± 4%	151 ± 4%	380 ± 4%	14.9 ± 4%	6.2	7.3	11.8	13.9
260 ± 4%	160 ± 4%	410 ± 4%	16.1 ± 4%	7.0	8.3	13.9	16.4
280 ± 4%	172 ± 4%	450 ± 4%	17.7 ± 4%	8.8	10.3	17.4	20.5
305 ± 4%	187 ± 4%	500 ± 4%	19.7 ± 4%	11.1	13.1	21.8	25.7
*) 330 ± 4%	203 ± 4%	550 ± 4%	21.7 ± 4%	13.3	15.6	26.2	30.8
*) 360 ± 4%	221 ± 4%	600 ± 4%	23.6 ± 4%	17.0	20.0	30.5	35.9

\*) Available upon request MOQ fulfillment

PROPERTY	UNIT	METHOD	SIDE	VALUES
Moisture Content	%	T 412 om-02		6.0 ± 1.0
*) Brightness, (D65/10°)	%	ISO 2470-2:2008	TOP	91.0 ± 1.0
Internal Bond Strength	J/m <sup>2</sup>	T 569 pm-00		Min 120
Water Absorption COBB (180s)	g/m <sup>2</sup>	T 441 om-04		Max 70
Surface Tension	Dyne/cm	ASTM D2578-09	TOP PE Side	Min 38

\*) Reference parameter

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

## LDPE POLY CONFIGURATIONS

GSM, g/m <sup>2</sup>	±2	15	18	20	22	24
Brightness, (D65/10°)	Min	12	15	18	20	22

- Available in both [QL] single-sided and [QZ] double-sided poly configuration, in choice of gloss or matte finish.
- Surface treatment is normally applied for improvement printability, customer may make special request for no treatment.
- PE coated weight and thickness is to be added in base paper to get final, example : QL-248 gsm (0/230/18G) -> Basis Weight : 230 + 18 = 248 gr/m<sup>2</sup>  
Thickness : 350 + 15 = 365 µm

## APPLICATION USES

- Designed for Meat, Seafood, Take Away Box, Tray, Snack Box.

## APPLICATION USES

- PE extrusion board, for gravy food and resist outside contamination.

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

## RECOMMENDED PRINTING METHODS

- Offset

Note:

Recommend to apply the air ventilation in the packaging drawing design to ensure that the hot temperature can escape to the outer side of the packaging, as well as micro perforation in the inner flaps to provide better sealing.



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All Parameters measured to 95% confidence interval



hard  
size  
board

# foopak

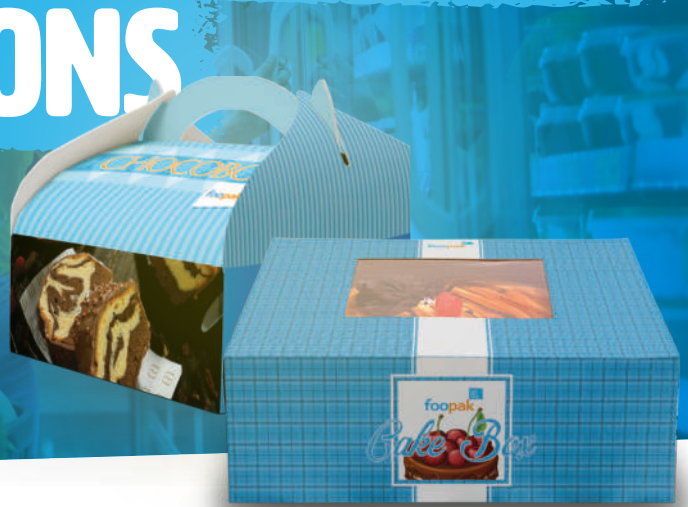
Foopak Hardsize is high bulk folding box board that is made from virgin fibres and certified PEFC woods and designed with the hard size capability thus perform well in terms of its strength properties in chilled condition.

Foopak Hardsize is complies to serve the direct contact food packaging that demanding to be kept in the chilled condition due to the requirement of its food such as cakes boxes. The pigment coating applied on the top side/printed side thus provide excellent printing quality with rich of vivid colors.



# DESIGNED FOR FRIDGE APPLICATIONS

## FOR ANY TYPES OF FOOD OR NON-FOOD PACKAGING



### Product Features:

- PEFC and SFI certified
- Certified for direct contact with food
- Clay coated on the top side for good printability
- Excellent stiffness in low temperature and frozen condition
- High bulk, yield advantage
- Good dimensional stability
- Microwaveable

### End Application:

Cake box, Tart box, Chocolate packaging, Pharmaceutical, Confectionery, Base paper

### Printing Method:

Offset

### Service Temperature Range:

5°C up to 175°C, 2 Minutes Microwave



# TECHNICAL DATA SHEET



**Foopak Hardsize (GQ)** Foopak Hardsize is a high bulk folding box board that is made from virgin fibers and certified PEFC wood and designed with the hard size capability thus performs well in terms of its strength properties in chilled condition. The Foopak Hardsize complies to serve the direct contact food packaging that demanding to be kept in the chilled condition due to the requirement of its food such as cakes boxes. The pigment coating applied on the top side/printed side thus provide excellent printing quality with rich of vivid colors.



## PRODUCT SPECIFICATION

GRAMMAGE T 410 om-02		THICKNESS ISO 534:1988 (E)		STIFFNESS 15° T 556 om-05			
(g/m <sup>2</sup> )	(24" x 36" 500)lb	(µm)	(pt)	CD (mNm)		CD (mNm)	
				Min	Target	Min	Target
210 ± 4%	129 ± 4%	305 ± 4%	12.0 ± 4%	3.3	3.9	6.6	7.8
230 ± 4%	141 ± 4%	350 ± 4%	13.8 ± 4%	4.6	5.4	9.6	11.3
245 ± 4%	151 ± 4%	380 ± 4%	14.9 ± 4%	6.2	7.3	11.8	13.9
260 ± 4%	160 ± 4%	410 ± 4%	16.1 ± 4%	7.0	8.3	14.8	16.4
280 ± 4%	172 ± 4%	450 ± 4%	17.7 ± 4%	8.7	10.3	17.4	20.5
305 ± 4%	187 ± 4%	500 ± 4%	19.7 ± 4%	11.1	13.1	21.8	25.7
*) 330 ± 4%	203 ± 4%	550 ± 4%	21.7 ± 4%	13.3	15.6	26.2	30.8
360 ± 4%	221 ± 4%	600 ± 4%	23.6 ± 4%	17.0	20.0	30.5	35.9

\*) Available upon requested

PROPERTY	UNIT	METHOD	SIDE	VALUES
Moisture Content	%	T 412 om-02		6.0 ± 1.0
Roughness	µm	T 555 om-04	TOP	Max 1.80
Brightness, (D65/10°)	%	ISO 2470-2:2008 (E)	TOP	91.0 ± 1.0
Gloss 75°	%	T 480 pm-05	TOP	50.0 ± 5.0
Internal Bond Strength	J/m <sup>2</sup>	T 569 pm-00		Min 120
Water Absorption COBB (60s)		T 441 om-04	TOP	Max 55
Water Absorption COBB (180s)			TOP	Max 70
			BACK	Max 70

\*) Reference parameter  
 Testing is done when production finished at room condition, Temp (°C) : 23 ± 1 and RH (%) : 50 ± 2  
 Using reference TAPPI T 537 for counting dirt count in paper and paperboard

### APPLICATION USES

- Cake box, Tart box, Chocolate Packaging, Pharmaceutical, Confectionery, Base paper.

### RECOMMENDED PRINTING METHODS

- Offset

### OTHER FEATURE

- BfR XXXVI compliance
- Suitable for microwave (Temp until 175° C, 2 minutes)

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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 All Parameters measured to 95% confidence interval



grease  
proof  
board™

# foopak

Foopak Greaseproof Board is a special grade of folding box paperboard with oil/grease resistance capability that is designed to serve direct contact food packaging segment, particularly the oily/greasy food. Since the beginning, Foopak Greaseproof Board is designed to meet PFAS-free and complies with the food safety aspects referring to the US and EU. Currently, the Foopak Greaseproof Board is available with various kit levels.

foopak



200 BSEF - 2000 AND 200 BSEF - 2000 CERTIFIED  
FOR HEAVY PERFORMANCE PLEASE CONTACT  
CS: 00210147 044 014 2000



www.foopak.com

# RESIST OIL PENETRATION

FROM LOW TO HIGH  
GREASY LEVEL



## Product Features:

- PEFC and SFI certified
- Grease coated on the back side
- Clay coated on the top side for good printability
- High bulk
- Yield advantage
- Certified for direct contact with food
- Good dimensional stability
- Excellent stiffness in low temperature and frozen condition

## End Application:

Kit 6, 8: Chocolate, Cake, Bread, Take-away box

Kit 10: Fried chicken, French fries

## Printing Method:

Offset

## Temperature Range:

5°C up to 175°C, 1 Minute Microwave

# TECHNICAL

## DATA SHEET



# Q3, Q4

**Foopak Greaseproof (Q3,Q4)** Foopak Greaseproof is using certified wood sources, with white shade and barrier coated board designed for food packaging with capabilities to resist oil penetration on direct contact with greasy food, from low to high greasy level. Performing with hard-sized board, this board prevents moisture penetration and is able to be stored in chiller and heated in the microwave.



## PRODUCT SPECIFICATION

GRAMMAGE T 410 om-02		THICKNESS ISO 534:1988 (E)		STIFFNESS 15° T 556 om-05			
(g/m²)	(24" x 36" 500)lb	(µm)	(pt)	CD (mNm)		MD (mNm)	
				Min	Target	Min	Target
215 ± 4%	132 ± 4%	305 ± 4%	12.0 ± 4%	3.5	3.9	7.0	7.8
235 ± 4%	144 ± 4%	350 ± 4%	13.8 ± 4%	4.9	5.4	10.2	11.3
250 ± 4%	154 ± 4%	380 ± 4%	15.0 ± 4%	6.6	7.3	12.5	13.9
265 ± 4%	163 ± 4%	410 ± 4%	16.1 ± 4%	7.5	8.3	14.8	16.4
285 ± 4%	175 ± 4%	450 ± 4%	17.7 ± 4%	9.3	10.3	18.5	20.5
310 ± 4%	190 ± 4%	500 ± 4%	19.7 ± 4%	11.8	13.1	23.1	25.7
*) 335 ± 4%	206 ± 4%	550 ± 4%	21.7 ± 4%	14.0	15.6	27.7	30.8
*) 365 ± 4%	224 ± 4%	600 ± 4%	23.6 ± 4%	18.0	20.0	32.3	35.9

\*) Available upon requested

PROPERTY	UNIT	METHOD	SIDE	VALUES
Brightness, (D65/10°)	%	ISO 2470-2:2008 (E)	TOP	91.0 ± 1.0

\*) Reference parameter  
 Testing is done when production finished at room condition, Temp ( °C ) : 23 ± 1 and RH ( % ) : 50 ± 2  
 Using reference TAPPI T 537 for counting dirt count in paper and paperboard

## APPLICATION USES

- Kit 6, 8 : Chocolate, Cake, Bread, Take-Away Box
- Kit 10 : Frozen cake, frozen bread, Food Tray & Takeaway box at room temperature

## OTHER FEATURES

- Environment Friendly, BFR XXXVI compliance.
- Minimum Moisture Evaporation,

## RECOMMENDED PRINTING METHODS

- Offset

Note:

- Guideline die cut (groove width, spherical knife)
- 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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 All Parameters measured to 95% confidence interval





# TECHNICAL

## DATA SHEET



Q9

**Foopak Greaseproof (Q9)** Foopak Greaseproof is using certified wood sources, with white shade and barrier coated board designed for food packaging with capabilities to resist oil penetration on direct contact with greasy food, from low to high greasy level. Performing with hard-sized board, this board prevents moisture penetration and is able to be stored in chiller and heated in the microwave.



## PRODUCT SPECIFICATION

GRAMMAGE T 410 om-02		THICKNESS ISO 534:1988 (E)		STIFFNESS 15° T 556 om-05			
(g/m <sup>2</sup> )	(24" x 36" 500)lb	(µm)	(pt)	CD (mNm)		MD (mNm)	
				Min	Target	Min	Target
225 ± 4%	138 ± 4%	315 ± 4%	12.4 ± 4%	3.5	3.9	7.0	7.8
245 ± 4%	150 ± 4%	360 ± 4%	14.2 ± 4%	4.9	5.4	10.2	11.3
260 ± 4%	160 ± 4%	390 ± 4%	15.0 ± 4%	6.6	7.3	12.5	13.9
275 ± 4%	169 ± 4%	420 ± 4%	16.4 ± 4%	7.5	8.3	14.8	16.4
295 ± 4%	181 ± 4%	460 ± 4%	18.1 ± 4%	9.3	10.3	18.5	20.5
320 ± 4%	197 ± 4%	510 ± 4%	20.1 ± 4%	11.8	13.1	23.1	25.7
*) 345 ± 4%	212 ± 4%	560 ± 4%	22.1 ± 4%	14.0	15.6	27.7	30.8
*) 375 ± 4%	230 ± 4%	610 ± 4%	24.0 ± 4%	18.0	20.0	32.3	35.9

\*) Available upon requested

PROPERTY	UNIT	METHOD	SIDE	VALUES
Brightness, (D65/10°)	%	ISO 2470-2:2008 (E)	TOP	91.0 ± 1.0

\*) Reference parameter

Testing is done when production finished at room condition, Temp (°C) : 23 ± 1 and RH (%) : 50 ± 2  
Using reference TAPPI T 537 for counting dirt count in paper and paperboard

## APPLICATION USES

- Kit 6, 8 : Chocolate, Cake, Bread, Take-Away Box
- 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

## OTHER FEATURES

- Environment Friendly, BfR XXXVI compliance
- Minimum Moisture Evaporation
- Grease resistant to kit-10

## RECOMMENDED PRINTING METHODS

- Offset

Note:

- Guideline die cut (groove width, spherical knife)
- 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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All Parameters measured to 95% confidence interval





# foopak

Foopak Anchor Plus is a premium quality poly-coated paperboard that is especially designed for extreme cold condition that combines the presence of salt, splash of water and ice to the packaged food and ideal to serve industrial seafood packaging application.

Foopak Anchor Plus offers excellent barrier performance as well as strong wicking resistance to prevent any liquid seepage on the cutting side, providing reliable protection for your product.

The top side/printed side of the paperboard is designed to provide better printing quality as compared with the other paperboard thus generates vibrant printing quality. Foopak Anchor Plus meets with food safety aspect according to the US FDA and PFAS-free compliance.



# MOISTURE RESISTANCE

# AND EXCELLENT BARRIER PERFORMANCE



## **Product Features:**

- Food safety compliance according to US FDA
- PFAS-free compliance
- PEFC and SFI certified
- Strong edge wicking resistance
- Excellent barrier performance
- Excellent uniform rim formation
- Good MVTR performance to provide better freshness

## **End Application:**

Shrimp/Raw seafood packaging, and Deep fridge application/Cold storage,  
Paper tray

*\*GSM below 230 compatible for Hot cup*

## **Printing Method:**

Offset, Flexo

## **Temperature Range:**

Minus 25°C up to 100°C, 1 Hour\* Oven/Microwave

# TECHNICAL DATA SHEET



**Foopak Anchor Plus (AS,AZ)** is a premium quality paperboard solution specially designed for shrimp packaging. Foopak Anchor Plus offers excellent barrier performance and strong wicking resistance to prevent any liquid seepage on the cutting side, providing reliable protection for your product. Foopak Anchor Plus has good printability, also rigorously tested and comply with the US FDA regulations in terms of food grade use.



## PRODUCT SPECIFICATION

GRAMMAGE T 410 om-02		THICKNESS ISO 534:1988 (E)		STIFFNESS 15° T 556 om-05			
(g/m <sup>2</sup> )	(24" x 36" 500)lb	(µm)	(pt)	CD (mNm)		MD (mNm)	
				Min	Target	Min	Target
*) 190 ± 4%	117 ± 4%	305 ± 4%	12.0 ± 4%	2.9	3.3	7.4	8.2
*) 210 ± 4%	129 ± 4%	340 ± 4%	13.4 ± 4%	3.8	4.2	9.4	10.4
*) 230 ± 4%	141 ± 4%	370 ± 4%	14.6 ± 4%	4.5	5.0	11.4	12.8
*) 260 ± 4%	160 ± 4%	420 ± 4%	16.5 ± 4%	7.2	8.0	15.3	17.0
*) 280 ± 4%	172 ± 4%	450 ± 4%	17.7 ± 4%	9.2	10.2	18.6	20.7
*) 300 ± 4%	184 ± 4%	485 ± 4%	19.1 ± 4%	11.2	12.4	22.0	24.5

\*) Available upon requested

PROPERTY	UNIT	METHOD	SIDE	VALUES
Moisture Content	%	T 412 om-02		7.5 ± 1.0
Brightness, (D65/10°)	%	ISO 2470-2:2008 (E)	TOP	Min 78.0
Internal Bond Strength	J/m <sup>2</sup>	T 569 pm-00		Min 150
Water Absorption COBB (180s)	g/m <sup>2</sup>	T 441 om-04		Max 70
Edge Wick	kg/m <sup>2</sup>	Internal Mill	Lactic Acid 1%, 1 Hours	Max 1.60
Surface Tension	Dyne/cm	ASTM D2578-09	PE Side	Min 38
Dirt Spot	m <sup>2</sup>	T 537 om-02	Spot Size, mm <sup>2</sup> , 0.1-0.3	Max 60
			Spot Size, mm <sup>2</sup> , 0.3-1.5	Max 10
			Spot Size, mm <sup>2</sup> > 1.5	Max 0

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

## LDPE POLY CONFIGURATIONS

GSM, g/m <sup>2</sup>	±2	15	18	20	22	24
Brightness, (D65/10°)	Min	12	15	18	20	22

- Available in both [AS] single-sided and [AZ] double-sided poly configuration, in choice of gloss or matte finish.
- Surface treatment is normally applied for improvement printability, customer may make special request for no treatment.
- PE coated weight and thickness is to be added in base paper to get final, example: AS-248 gsm (0/230/18G) -> Basis Weight : 230 + 18 = 248 gr/m<sup>2</sup>  
Thickness : 370 + 15 = 385 µm

## APPLICATION USES

- Shrimp/Raw Seafood Packaging, and Deep Fridge, Application/Cold Storage, Paper tray
- Substances 190, 210, 230 gsm compatible for hop cups

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

## OTHER FEATURE

- High bulky, Good printability, Strong edge wicking resistance

## RECOMMENDED PRINTING METHODS

- Flexo
- Offset



Rev.02

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All Parameters measured to 95% confidence interval







# foopak

Foopak Anchor Bio is a premium quality paperboard with special technology to replace plastic lining thus towards environmentally friendly packaging paperboard.

Foopak Anchor Bio offers excellent barrier performance as well as strong wicking resistance to prevent any liquid seepage on the cutting side, providing reliable protection for your product. The top side/printed side of the paperboard is designed to provide better printing quality as compared with the other paperboard thus generates vibrant printing quality.

Foopak Anchor Bio can be used to serve the F&B segment such as food trays, takeaway food boxes, salad tray, etc. Foopak Anchor Bio meets with food safety aspect according to the US FDA and PFAS-free compliance.



# ENVIRONMENTALLY FRIENDLY PACKAGING PAPERBOARD

**WITH STRONG WICKING  
RESISTANCE**



## **Product Features:**

- Recyclable
- Strong edge wicking resistance
- High bulk
- Excellent barrier performance
- Performs well in printing and converting processes

## **End Application:**

Paper tray, Food box, Paper plate, Cake box

## **Printing Method:**

Offset

## **Temperature Range:**

Minus 18°C up to 100°C, 1 Hour \* Microwave

# TECHNICAL DATA SHEET



**Foopak Anchor Bio (AG) one side coating** is a premium quality paperboard with special technology to replace plastic lining thus towards environmentally friendly packaging paperboard. Foopak Anchor Board offers excellent barrier performance as well as strong wicking resistance to prevent any liquid seepage on the cutting side, providing reliable protection for your product. The top side/printed side of the paperboard is designed to provide better printing quality as compared with the other paperboard thus generates vibrant printing quality. Foopak Anchor Board meets with food safety aspects according to the US FDA and PFAS-free compliance.



## PRODUCT SPECIFICATION

GRAMMAGE T 410 om-02		THICKNESS ISO 534:1988 (E)		STIFFNESS 15° T 556 om-05			
(g/m <sup>2</sup> )	(24" x 36" 500)lb	(µm)	(pt)	CD (mNm)		MD (mNm)	
				Min	Target	Min	Target
*) 205 ± 4%	126 ± 4%	320 ± 4%	12.6 ± 4%	2.9	3.3	7.4	8.2
*) 225 ± 4%	138 ± 4%	335 ± 4%	14.0 ± 4%	3.8	4.2	9.4	10.4
*) 245 ± 4%	150 ± 4%	385 ± 4%	15.2 ± 4%	4.5	5.0	11.5	12.8
*) 275 ± 4%	169 ± 4%	435 ± 4%	17.1 ± 4%	7.2	8.0	15.3	17.0
*) 295 ± 4%	181 ± 4%	465 ± 4%	18.3 ± 4%	9.2	10.2	18.6	20.7
*) 315 ± 4%	193 ± 4%	500 ± 4%	19.7 ± 4%	11.2	12.4	22.0	24.5
*) 375 ± 4%	230 ± 4%	595 ± 4%	23.4 ± 4%	14.7	16.2	30.0	33.0

\*) Available upon request and MOQ fulfillment

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

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

## APPLICATION USES

- Paper Trays, Paper Plates, Food Boxes, Cake Box

## RECOMMENDED PRINTING METHODS

- Offset

## OTHER FEATURE

- Microwave Compliance, (Temp -18 until 175 °C, 2 minutes)

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



Rev.04  
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All Parameters measured to 95% confidence interval



# TECHNICAL DATA SHEET



# AT

**Foopak Anchor Bio (AT) two side coating** is an eco-friendly paperboard specially designed for direct food contact applications. It utilizes proprietary aqueous dispersion coating technology to replace the plastic lining commonly used in the foodservice industry and is produced without optical brightening agents (OBA). Foopak Anchor Bio features a strong edge wick, high bulk, offers excellent barrier performance, and performs well in printing and converting processes. Foopak Anchor Bio is an environmentally friendly solution for sustainable choices.



## PRODUCT SPECIFICATION

GRAMMAGE T 410 om-02		THICKNESS ISO 534:1988 (E)		STIFFNESS 15° T 556 om-05			
(g/m <sup>2</sup> )	(24" x 36" 500)lb	(μm)	(pt)	CD (mNm)		MD (mNm)	
				Min	Target	Min	Target
*) 215 ± 4%	132 ± 4%	330 ± 4%	13.0 ± 4%	2.9	3.3	7.4	8.2
*) 235 ± 4%	144 ± 4%	365 ± 4%	14.4 ± 4%	3.8	4.2	9.4	10.4
*) 255 ± 4%	157 ± 4%	395 ± 4%	15.5 ± 4%	4.5	5.0	11.5	12.8
*) 285 ± 4%	175 ± 4%	445 ± 4%	17.5 ± 4%	7.2	8.0	15.3	17.0
*) 305 ± 4%	187 ± 4%	475 ± 4%	18.7 ± 4%	9.2	10.2	18.6	20.7
*) 325 ± 4%	200 ± 4%	510 ± 4%	20.1 ± 4%	11.2	12.4	22.0	24.5
*) 385 ± 4%	236 ± 4%	605 ± 4%	23.8 ± 4%	14.7	16.2	30.0	33.0

\*) Available upon request and MOQ fulfillment

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

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

## APPLICATION USES

- Paper Trays, Paper Plates, Food Boxes, Cake Box

## RECOMMENDED PRINTING METHODS

- Offset

## OTHER FEATURE

- Microwave Compliance, (Temp -18 until 175 °C, 2 minutes)

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



Rev.02

Issue date : October 14, 2024

All Parameters measured to 95% confidence interval







Foopak Magna Board is a premium quality high bulkiness OBA-free paperboard base with the capabilities in terms of hard-size fibres and PFAS-free that is designed to meet the F & B segment such as paper plates, trays and takeaway boxes. Foopak Magna Board is in compliance with the US FDA and EU in terms of the food safety aspect.



# HARD-SIZED AND HIGH-BULK FEATURE

## MAKING IT IDEAL FOR DISPOSABLE FOOD PACKAGING



### **Product Features:**

- Food safety compliance according to US FDA
- PFAS-free compliance
- PEFC certified
- Excellent stiffness
- Excellent uniform rim formation
- High-bulk, yield advantage

### **End Application:**

Paper tray, Food box, Paper plate, Cake box

### **Printing Method:**

Offset

### **Service Temperature Range:**

5°C up to 175°C, 2 Minutes Microwave

# TECHNICAL

## DATA SHEET



**Foopak MagnaBoard (GG)** is a premium quality high bulkiness OBA-free paperboard base with the capabilities in terms of hard-size fibers and PFAS-free that is designed to meet the F & B segment such as paper plate, tray, and takeaway box. Foopak Magna Board as compliance with the US FDA and EU in terms of the food safety aspect.



## PRODUCT SPECIFICATION

GRAMMAGE		THICKNESS		STIFFNESS 15°			
T 410 om-02		ISO 534:1988 (E)		T 556 om-05			
(g/m <sup>2</sup> )	(24" x 36" 500)lb	(μm)	(pt)	CD (mNm)		MD (mNm)	
				Min	Target	Min	Target
(*) 195 ± 4%	119 ± 4%	280 ± 3%	11.0 ± 3%	2.5	2.8	5.2	5.8
(*) 210 ± 4%	129 ± 4%	305 ± 3%	12.0 ± 3%	3.5	3.9	7.3	8.1
(*) 220 ± 4%	135 ± 4%	330 ± 3%	13.0 ± 3%	4.0	4.4	8.3	9.2
(*) 230 ± 4%	141 ± 4%	350 ± 3%	13.8 ± 3%	5.4	6.0	10.7	11.9
(*) 235 ± 4%	144 ± 4%	365 ± 3%	14.4 ± 3%	5.7	6.3	11.2	12.5
(*) 245 ± 4%	151 ± 4%	380 ± 3%	15.0 ± 3%	6.2	6.9	12.0	13.3

(\*) Available upon requested and MOQ fulfillment

PROPERTY	UNIT	METHOD	SIDE	VALUES
Moisture Content	%	T 412 om-02		6.0 ± 1.0
Roughness	μm	T 555 om-04	TOP	Max 1.80
Brightness, (D65/10°)	%	ISO 2470-2:2008 (E)	TOP	Min 80
Gloss 75°	%	T 480 pm-05	TOP	50.0 ± 5.0
Internal Bond Strength	J/m <sup>2</sup>	T 569 pm-00		Min 130
Water Absorption COBB (60s)	g/m <sup>2</sup>	T 441 om-04	TOP	35-55 <sup>(1)</sup>
Water Absorption COBB (180s)	g/m <sup>2</sup>	T 441 om-04	TOP	Max 70
			BACK	Max 70

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

<sup>(1)</sup> For customers that require SNI certification, the board product will be modified to have Cobb Size (60s) maximum standard as 50 g/m<sup>2</sup>

## APPLICATION USES

- Paper Tray, Paper Plates, Food Boxes, Cake Box

## OTHER FEATURE

- Microwave Compliance, (Temp -18 until 175 °C, 2 minutes)

## RECOMMENDED PRINTING METHODS

- Offset

Note:

- Temporary specification, this meant that the data presented in this specification is not fixed yet and will possibly be subjected to change in the future
- 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



Rev.01

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All Parameters measured to 95% confidence interval

# foopak



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