

# TECHNICAL DATA SHEET



**Foopak Bio Natura (CG)** is designed to be the solution of eco-friendly food and beverage packaging, using proprietary aqueous dispersion coating technology to replace the plastic lining in the foodservice industry. Foopak Bio Natura using only certified wood sources, OBA-free, high-temperature resistance, and strong edge wick, giving the product superior function than normal cupstock. With its non-plastic nature, it can be composted within 12-weeks in the industrial compostable facility. Foopak Bio Natura is also recyclable and repulpable without any additional treatment or process.



## PRODUCT SPECIFICATION

GRAMMAGE T410 om-02		THICKNESS ISO 534:1988 (E)		STIFFNESS 15° T489 om-04		
(g/m2)	(µm)	(pt)	CD (gf.cm)	MD (gf.cm)	CD (mNm)	CD (mNm)
205 ± 4%	275 ± 4%	10.8 ± 4%	27	66	2,6	6,5
225 ± 4%	305 ± 4%	12,0 ± 4%	30	83	2,9	8,1
245 ± 4%	330 ± 4%	13,0 ± 4%	39	95	3,8	9,3
255 ± 4%	335 ± 4%	13,2 ± 4%	41	105	4,0	10,3
275 ± 4%	370 ± 4%	14,6 ± 4%	52	123	5,1	12,1
295 ± 4%	395 ± 4%	15,6 ± 4%	69	154	6,8	15,1
315 ± 4%	425 ± 4%	16,7 ± 4%	80	187	7,8	18,4

Tolerance for stiffness 10%

PROPERTY, UNIT	METHOD	SIDE	VALUES
Moisture Content, %	T 412 om - 02		7,5 ± 1.0
Bendsten Roughness, ml/min	ISO 5636-3	TOP	Max 350
		BACK	Max 550
Brightness, %	ISO 2470 - 1977 (E)	TOP	Min 80.0
		BACK	Min 80.0
Internal Bonding, J/m <sup>2</sup>	SCOTT 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 1.6
Edge Wick, mm	Internal Mill	Hot water 95°C, 10 Minutes	Max 5
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
Odour	Internal Mill		Max 200

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

### APPLICATION USES

- Compostable hot and cold cups, compostable boxes, Horticultural pots, Lunchbox, Take-away cup application

### RECOMMENDED PRINTING METHODS

- Offset lithographic
- Flexographic

\*) Remarks: recommended to seek further technical advice and support from the ink vendors in term of the quality compliance between printing inks, printing methods and its paperboard



Does your paper have this?  
Use APP paper and support responsible forest management.  
Place orders in your paper size. Use resources wisely.  
[www.asiapulp.com](http://www.asiapulp.com)

Follow us on social media: @indahkiatpaper, @indahkiatpaper

Rev.06

Issue Date : August 03, 2021

All parameters measured to 95% confidence interval



# TECHNICAL DATA SHEET



**Foopak Bio Natura (CT)** is designed to be the solution of eco-friendly food and beverage packaging, using proprietary aqueous dispersion coating technology to replace the plastic lining in the foodservice industry. Foopak Bio Natura using only certified wood sources, OBA-free, high-temperature resistance, and strong edge wick, giving the product superior function than normal cupstock. With its non-plastic nature, it can be composted within 12-weeks in the industrial compostable facility. Foopak Bio Natura is also recyclable and repulpable without any additional treatment or process.



## PRODUCT SPECIFICATION

GRAMMAGE T410 om-02		THICKNESS ISO 534:1988 (E)		STIFFNESS 15° T489 om-04			
(g/m <sup>2</sup> )	(µm)	(pt)	CD (gf.cm)	MD (gf.cm)	CD (mNm)	CD (mNm)	
215 ± 4%	285 ± 4%	11.2 ± 4%	27	66	2,6	6,5	
235 ± 4%	315 ± 4%	12,4 ± 4%	30	83	2,9	8,1	
255 ± 4%	340 ± 4%	13,4 ± 4%	39	95	3,8	9,3	
265 ± 4%	345 ± 4%	13,6 ± 4%	41	105	4,0	10,3	
285 ± 4%	380 ± 4%	15,0 ± 4%	52	123	5,1	12,1	
305 ± 4%	405 ± 4%	15,9 ± 4%	69	154	6,8	15,1	
325 ± 4%	435 ± 4%	17,1 ± 4%	80	187	7,8	18,4	

Tolerance for stiffness 10%

PROPERTY, UNIT	METHOD	SIDE	VALUES
Moisture Content, %	T 412 om - 02		7,5 ± 1.0
Bendsten Roughness, ml/min	ISO 5636-3	TOP	Max 350
		BACK	Max 550
Brightness, %	ISO 2470 - 1977 (E)	TOP	Min 80.0
		BACK	Min 80.0
Internal Bonding, J/m <sup>2</sup>	SCOTT 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 1.6
Edge Wick, mm	Internal Mill	Hot water 95°C, 10 Minutes	Max 5
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
Odour	Internal Mill		Max 200

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

### APPLICATION USES

- Compostable hot and cold cups, compostable boxes, Horticultural pots, Lunchbox, Take-away cup application

### RECOMMENDED PRINTING METHODS

- Offset lithographic
- Flexographic

\*) Remarks: recommended to seek further technical advice and support from the ink vendors in term of the quality compliance between printing inks, printing methods and its paperboard



Does your paper have this?  
Use APP paper and support responsible forest management.  
Place orders in your paper size and resources wisely.  
[www.asiapulp.com](http://www.asiapulp.com)

Follow us on social media: @indahkiat, @indahkiatpaper

Rev.06

Issue Date : August 03, 2021

All parameters measured to 95% confidence interval

