

# 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 T 410 om-02		THICKNESS ISO 534:2005 (E)		STIFFNESS 15° T 556 om-05			
(g/m <sup>2</sup> )	(24" x 36" 500)lb	(µm)	(pt)	CD (gf.cm)	MD (gf.cm)	CD (mNm)	CD (mNm)
205 ± 4%	126 ± 4%	275 ± 4%	10.8 ± 4%	27	66	2.6	6.5
225 ± 4%	138 ± 4%	305 ± 4%	12.0 ± 4%	30	83	2.9	8.1
245 ± 4%	151 ± 4%	330 ± 4%	13.0 ± 4%	39	95	3.8	9.3
255 ± 4%	157 ± 4%	335 ± 4%	13.2 ± 4%	41	105	4.0	10.3
275 ± 4%	169 ± 4%	370 ± 4%	14.6 ± 4%	52	123	5.1	12.1
295 ± 4%	181 ± 4%	395 ± 4%	15.6 ± 4%	69	154	6.8	15.1
315 ± 4%	194 ± 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 D65/10°	%	ISO 2470-2:2008 (E)	TOP	Min 80.0
			BACK	Min 80.0
Internal Bonding	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 1.6
Edge Wick	mm	Internal Mill	Hot water 95 °C, 10 Minutes	Max 5
Dirt Spot	Pcs/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?  
Yes, our paper mill is subject to periodic forest management.  
Our wood is good paper and safe for your ability.  
[www.asiapulp.com](http://www.asiapulp.com)



Rev.06

Issue Date : January 27, 2021

All parameters measured to 95% confidence interval



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(g/m <sup>2</sup> )	(24" x 36" 500)lb	(µm)	(pt)	CD (gf.cm)	MD (gf.cm)	CD (mNm)	CD (mNm)
215 ± 4%	132 ± 4%	285 ± 4%	11.2 ± 4%	27	66	2.6	6.5
235 ± 4%	144 ± 4%	315 ± 4%	12.4 ± 4%	30	83	2.9	8.1
255 ± 4%	157 ± 4%	340 ± 4%	13.4 ± 4%	39	95	3.8	9.3
265 ± 4%	163 ± 4%	345 ± 4%	13.6 ± 4%	41	105	4.0	10.3
285 ± 4%	175 ± 4%	380 ± 4%	15.0 ± 4%	52	123	5.1	12.1
305 ± 4%	187 ± 4%	405 ± 4%	15.9 ± 4%	69	154	6.8	15.1
325 ± 4%	200 ± 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
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Does your paper have this?  
Yes, our paper mill has a responsible forest management.  
Our wood is good paper and our paper is really good.  
[www.asiapulp.com](http://www.asiapulp.com)



Rev.06

Issue Date : August 03, 2021

All parameters measured to 95% confidence interval

