

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/m ²)	(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 ²	SCOTT T 569 pm - 00		Min 150
Water Absorption COBB (180s), g/m ²	T 441 om - 04	TOP	Max 70
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
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
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



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Rev.06

Issue Date : August 03, 2021

All parameters measured to 95% confidence interval



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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/m2)	(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
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Bendsten Roughness, ml/min	ISO 5636-3	TOP	Max 350
		BACK	Max 550
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