

# TECHNICAL DATA SHEET



**Foopak Bio Natura - CG** is compostable, plastic free, environment friendly and OBA free paper board especially designed for beverage cups and food service containers with heat-seal capabilities and good edge wick value.



## PRODUCT SPECIFICATION

GRAMMAGE T410 om-02	THICKNESS ISO 534:1988 (E)	STIFFNESS 15° T556 om-05				
		(g/m <sup>2</sup> )	(µm)	(pt)		
		CD (gf.cm)	MD (gf.cm)	CD (mNm)	MD (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
Bendtsen Roughness, ml/min	ISO 5636-3	TOP	Max 350
		BACK	Max 550
Brightness, %	ISO 2470 - 1	TOP	Min 80.0
		BACK	Min 80.0
Internal Bonding, J/m <sup>2</sup>	T 569 pm-00, SCOTT		Min 150
Water Absorption Cobb (180sec), 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.

A good quality product by Serang Mill,



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Rev. 05  
Issued Date : November 11, 2020  
All parameters measured to 95% confidence interval

Specification for reference only for update and further information please visit us at :  
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# TECHNICAL DATA SHEET



**Foopak Bio Natura - CT** is compostable, plastic free, environment friendly and OBA free paper board especially designed for beverage cups and food service containers with heat-seal capabilities and good edge wick value.



## PRODUCT SPECIFICATION

GRAMMAGE T410 om-02	THICKNESS ISO 534:1988 (E)	STIFFNESS 15° T556 om-05			
		(g/m <sup>2</sup> )	(μm)	(pt)	
		CD (gf.cm)	MD (gf.cm)	CD (mNm)	MD (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
Bendtsen Roughness, ml/min	ISO 5636-3	TOP	Max 350
		BACK	Max 550
Brightness, %	ISO 2470 - 1	TOP	Min 80.0
		BACK	Min 80.0
Internal Bonding, J/m <sup>2</sup>	T 569 pm-00, SCOTT		Min 150
Water Absorption Cobb (180sec), 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
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