

TECHNICAL DATA SHEET



Foopak Bio Container (GA) is designed to be the solution of the eco-friendly takeaway box, using proprietary aqueous dispersion coating technology that makes the product has water, oil, and moisture resistance without using any plastic coating or extrusion. Foopak Bio Container using only certified wood sources, and with its non-plastic nature, it can be composted within 12-weeks in the industrial compostable facility. Foopak Bio Container is also recyclable and repulpable without any additional treatment or process. With its heat-sealable nature, this product can run on the existing lunchbox machine with the minor adjustment.



PRODUCT SPECIFICATION

GRAMMAGE T 410 om-02		THICKNESS ISO 534:2005 (E)		STIFFNESS 15° T 556 om-05			
(g/m ²)	(24" x 36" 500)lb	(μm)	(pt)	CD (gf.cm)	MD (gf.cm)	CD (mNm)	CD (mNm)
240 ± 5%	147 ± 5%	360 ± 4%	14.2 ± 4%	61	121	6.0	11.9
255 ± 5%	157 ± 5%	390 ± 4%	15.3 ± 4%	83	149	7.1	14.6
270 ± 5%	166 ± 5%	420 ± 4%	16.5 ± 4%	94	174	8.1	17.2
290 ± 5%	178 ± 5%	460 ± 4%	18.1 ± 4%	116	220	11.4	21.6
315 ± 5%	194 ± 5%	510 ± 4%	20.1 ± 4%	149	275	14.6	27.0
340 ± 5%	209 ± 5%	560 ± 4%	22.0 ± 4%	176	330	17.3	32.4
*) 370 ± 5%	*) 227 ± 5%	610 ± 4%	24.0 ± 4%	223	380	21.8	33.8

*) Available upon requested

Tolerance for stiffness 10%

PROPERTY	UNIT	METHOD	SIDE	VALUES
Moisture Content	%	T 412 om-02		6.0 ± 1.0
Roughness	μm	T 555 om-04	TOP	Max 1.30
Brightness D65/10°	%	ISO 2470-2:2008 (E)	TOP	90.0 ± 1.0
Gloss 75°	%	T 480 om-05	TOP	50.0 ± 5.0
Internal Bond Strength	J/m ²	T 569 pm-00		Min 120
Water Absorption COBB (60s)	g/m ²	T 441 om-04	TOP	35 - 55
Water Absorption COBB (180s)	g/m ²	T 441 om-04	TOP	Max 70
MVTR	gsm/day	T 448 om-04		Max 150

*) Heat sealing top & back condition approx. 230°C, 3 bar pressure, 1 sec

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

APPLICATION USES

- Lunchbox
- Tray
- Food Box
- Sandwich Box
- Chocolate box
- Take away container

RECOMMENDED PRINTING METHODS

- Offset lithographic
- Letterpress

OTHER FEATURE

- Compostable, Suitable for direct food packaging
- Very good dimension stability
- EN 14338 microwave certification



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All parameters measured to 95% confidence interval

