

TECHNICAL DATA SHEET



Foopak Anchor Bio (AG) one side coating is an eco-friendly paperboard specially designed for direct food contact applications. It utilizes proprietary aqueous dispersion coating technology to replace the plastic lining commonly used in the foodservice industry and is produced without optical brightening agents (OBA). Foopak Anchor Bio features a strong edge wick, high bulk, offers excellent barrier performance, and performs well in printing and converting processes. Foopak Anchor Bio is an environmentally friendly solution for sustainable choices.



PRODUCT SPECIFICATION

GRAMMAGE T 410 om-02		THICKNESS ISO 534:1988 (E)		STIFFNESS 15° T 556 om-05	
(g/m ²)	(24" x 36" 500)lb	(µm)	(pt)	CD (mNm)	MD (mNm)
275 ± 4%	168 ± 4%	430 ± 4%	16.9 ± 4%	9.0	20.1
285 ± 4%	175 ± 4%	445 ± 4%	17.5 ± 4%	9.2	20.4
295 ± 4%	181 ± 4%	460 ± 4%	18.1 ± 4%	9.9	21.5
315 ± 4%	194 ± 4%	495 ± 4%	19.5 ± 4%	11.6	24.6
375 ± 4%	230 ± 4%	590 ± 4%	23.2 ± 4%	16.1	33.0

Tolerance for stiffness 15%

PROPERTY, UNIT	UNIT	METHOD	SIDE	VALUES
Moisture Content	%	T 412 om-02		9.0 ± 1.5
Bendsten Roughness	ml/min	ISO 5636-3	TOP	Max 350
			BACK	Max 550
Brightness (D65/10°)	%	ISO 2470-2:2008 (E)	TOP	Min 82.0
			BACK	Min 82.0
Internal Bond Strength	J/m ²	T 569 pm-00		Min 150
Water Absorption COBB (180sec)	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

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

APPLICATION USES

- Paper Trays, Paper Plates, Food Boxes, Cake Box

OTHER FEATURE

- Microwave Compliance, (Temp -18 until 175 °C, 2 minutes)

RECOMMENDED PRINTING METHODS

- Offset

Note :

- Temporary specification, this meant that the data presented in this specification is not fixed yet and will possibly be subjected to change in the future.
- For first time customer/new application, please conduct plant trial first before commercial order.
- Strongly recommend to seek further technical advice and support from glue and ink vendors in terms of the board's adhesives compatibility and the board's printability/printing method respectively.



Rev.2
Issue Date : August 03, 2023
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 Anchor Bio (AT) two side coating is an eco-friendly paperboard specially designed for direct food contact applications. It utilizes proprietary aqueous dispersion coating technology to replace the plastic lining commonly used in the foodservice industry and is produced without optical brightening agents (OBA). Foopak Anchor Bio features a strong edge wick, high bulk, offers excellent barrier performance, and performs well in printing and converting processes. Foopak Anchor Bio is an environmentally friendly solution for sustainable choices.



PRODUCT SPECIFICATION

GRAMMAGE T 410 om-02		THICKNESS ISO 534:1988 (E)		STIFFNESS 15° T 556 om-05	
(g/m ²)	(24" x 36" 500)lb	(µm)	(pt)	CD (mNm)	MD (mNm)
285 ± 4%	175 ± 4%	440 ± 4%	17.3 ± 4%	9.0	20.1
295 ± 4%	181 ± 4%	455 ± 4%	17.9 ± 4%	9.2	20.4
305 ± 4%	187 ± 4%	470 ± 4%	18.5 ± 4%	9.9	21.5
325 ± 4%	200 ± 4%	505 ± 4%	19.9 ± 4%	11.6	24.6
385 ± 4%	237 ± 4%	600 ± 4%	23.6 ± 4%	16.1	33.0

Tolerance for stiffness 15%

PROPERTY, UNIT	UNIT	METHOD	SIDE	VALUES
Moisture Content	%	T 412 om-02		9.0 ± 1.5
Bendsten Roughness	ml/min	ISO 5636-3	TOP	Max 350
			BACK	Max 550
Brightness (D65/10°)	%	ISO 2470-2:2008 (E)	TOP	Min 82.0
			BACK	Min 82.0
Internal Bond Strength	J/m ²	T 569 pm-00		Min 150
Water Absorption COBB (180sec)	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

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

APPLICATION USES

- Paper Trays, Paper Plates, Food Boxes, Cake Box

OTHER FEATURE

- Microwave Compliance, (Temp -18 until 175 °C, 2 minutes)

RECOMMENDED PRINTING METHODS

- Offset

Note :

- Temporary specification, this meant that the data presented in this specification is not fixed yet and will possibly be subjected to change in the future.
- For first time customer/new application, please conduct plant trial first before commercial order.
- Strongly recommend to seek further technical advice and support from glue and ink vendors in terms of the board's adhesives compatibility and the board's printability/printing method respectively.



Rev.0
Issue Date : August 15, 2023
All parameters measured to 95% confidence interval

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