

# TECHNICAL DATA SHEET



**Foopak Natura Cup** using certified wood sources, with natural shade, OBA-free, and poly-coated board, our Natura Cup offers strong wicking resistance and good barrier performance, as well as uniform rim formation and superior printability, with hygienic manufacturing standards for food and beverage applications, both hot and cold. This product is designed to prevent any liquid seepage on the cutting side.



## PRODUCT SPECIFICATION

GRAMMAGE		THICKNESS		STIFFNESS 15°			
T410 om-02		ISO 534:1988 (E)		T556 om-05			
(g/m <sup>2</sup> )	(µm)	(pt)	CD (gf.cm)	MD (gf.cm)	CD (mNm)	MD (mNm)	
190 ± 4%	265 ± 4%	10.4 ± 4%	27	66	2.6	6.5	
210 ± 4%	295 ± 4%	11.6 ± 4%	30	83	2.9	8.1	
230 ± 4%	320 ± 4%	12.6 ± 4%	39	95	3.8	9.3	
240 ± 4%	325 ± 4%	12.8 ± 4%	41	105	4.0	10.3	
260 ± 4%	360 ± 4%	14.2 ± 4%	52	123	5.1	12.1	
270 ± 4%	375 ± 4%	14.8 ± 4%	65	143	6.4	14.0	
280 ± 4%	385 ± 4%	15.2 ± 4%	69	154	6.8	15.1	
300 ± 4%	415 ± 4%	16.3 ± 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
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
Surface Tension, Dyne/cm	ASTM D2578-09	PE Side	Min 38

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

## LDPE POLY CONFIGURATIONS

GSM, gram/m <sup>2</sup>	± 2	15	18	20	22	24
THICKNESS, µm	Min	12	15	18	20	22

- Available in both [FS] single-sided and [FZ] double-sided poly configuration, in choice of gloss or matte finish.
- Surface treatment is normally applied for improvement printability, customer may make special request for no treatment.
- PE coated weight and thickness is to be added in baseboard to get final

## APPLICATION USES

- 1/s PE for hot cup application : Hot Beverage, Noodle, Soup Cups, Food Bucket
- 2/s PE for cold cup application : Cold Beverage, Ice Cream, Yoghurt Cup

## 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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All parameters measured to 95% confidence interval