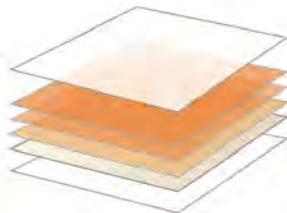


Foopak PE Board (SL)

Is white-back poly coated board designed as direct contact / primary food packaging applications which extra protection to the food is required and combining the capabilities to keep in fridge condition.



PE LAMINATING	
DOUBLE COATING	Min 20 gsm Blade
TOP LAYER	NBKPK + LBKP
UNDER LAYER	BCTMP
FILLER LAYER	BCTMP
BACK LAYER	NBKPK + LBKP
PE LAMINATING	

TECHNICAL DATA SHEET / PRODUCT SPECIFICATION

GRAMMAGE (g/m ²) T 410 om - 02	Caliper (pt)	Thickness (μm) ISO 534 : 1988 (E)	STIFFNESS TABER 15° (T 489 om - 04)	
			MD (gf.cm)	CD (gf.cm)
230 ± 4 %	13.8 ± 0.6	350 ± 14	121	61
245 ± 4 %	15.0 ± 0.6	380 ± 15	149	83
280 ± 4 %	17.7 ± 0.7	450 ± 18	220	116
305 ± 4 %	19.7 ± 0.8	500 ± 20	275	149
330 ± 4 %	21.7 ± 0.9	550 ± 22	330	176

Tolerance for stiffness : ± 10%

Moisture Content	%	6.0 ± 1
T 412 om - 02		
Roughness	Top	1.0 - 1.8 μm
IPRS (Impai) T555 om - 02		
Brightness	%	90 ± 1
ISO 2470 - 1977 (E)		
Internal Bond Strength	J/m ²	Min 120
SOFT 569 pm - 02		
Water Absorption		
COBB T 413 om - 04		
	Top (60s) 35 - 55 g/m ²	
	Top (180s) 50 (+10) g/m ²	
	Back (180s) 50 (+10) g/m ²	

COATING OPTIONS

- PE substance is available 1 side and 2 side based on customer requirement, with coating range from 10 gsm until 30 gsm.

Available in Matt and Glossy finish.

- PE weight is to be added in baseboard GSM to get final GSM.

OTHER FEATURES

- High Bulk
- Good Stiffness
- Hardsized
- Surface Tension on top side
min 38 dyne/cm

APPLICATIONS

Design For Meat, Seafood, Ice Cream Packaging,
Hot Rice, Hot Noodles, Take Away, Frozen Packaging, etc.

PE- Coated Kraft Bleached Cup Stock Paper

Technical Data Sheet

Physical Test		Test Method Reference	Basis-Weight (g/m ²)											
Kind of Test			150	160	170	180	190	200	210	220	230	240	250	260
Grammage, g/m ²		ISO 536 : 2012	150 ± 4%	160 ± 4%	170 ± 4%	180 ± 4%	190 ± 4%	200 ± 4%	210 ± 4%	220 ± 4%	230 ± 4%	240 ± 4%	250 ± 4%	260 ± 4%
Thickness, µm		ISO 534 : 2011	208 ± 5	222 ± 6	236 ± 6	250 ± 6	264 ± 6	278 ± 6	291 ± 6	305 ± 7	319 ± 7	333 ± 7	347 ± 7	360 ± 7
Smoothness Bekk, sec/10ml	FS	ISO 5627	≤ 15	≤ 15	≤ 15	≤ 15	≤ 15	≤ 15	≤ 15	≤ 15	≤ 15	≤ 15	≤ 15	≤ 15
	WS													
Moisture, %		ISO 287 : 2017	6.5 ± 1	6.5 ± 1	6.5 ± 1	6.5 ± 1	6.5 ± 1	7.0 ± 1	7.0 ± 1	7.0 ± 1	7.0 ± 1	7.0 ± 1	7.5 ± 1	7.5 ± 1
Cobb Size (60 sec), g/m ²	FS	ISO 535 : 2014	20 ~ 35	20 ~ 35	20 ~ 35	20 ~ 35	20 ~ 35	20 ~ 35	20 ~ 35	20 ~ 35	20 ~ 35	20 ~ 35	20 ~ 35	20 ~ 35
	WS													
Bending Stiffness, 15° (15mm), mN	MD	T566 om-02	≥ 320	≥ 370	≥ 440	≥ 545	≥ 635	≥ 720	≥ 760	≥ 875	≥ 1025	≥ 1130	≥ 1240	≥ 1390
	CD		≥ 145	≥ 175	≥ 205	≥ 255	≥ 290	≥ 330	≥ 350	≥ 400	≥ 480	≥ 525	≥ 585	≥ 655
Tensile, kg/15mm	CD	ISO 1924-2 : 2008	≥ 7.8	≥ 8.3	≥ 8.8	≥ 9.4	≥ 9.8	≥ 10.4	≥ 10.9	≥ 11.4	≥ 12.0	≥ 12.5	≥ 13.0	≥ 13.5
Elongation	CD	T494 om-96	≥ 4.5	≥ 4.5	≥ 4.5	≥ 4.5	≥ 4.5	≥ 4.5	≥ 4.5	≥ 4.5	≥ 4.5	≥ 4.5	≥ 4.5	≥ 4.5
Folding Endurance, times	MD	ISO 5626 : 1993	≥ 80	≥ 80	≥ 80	≥ 80	≥ 80	≥ 80	≥ 80	≥ 80	≥ 80	≥ 80	≥ 80	≥ 80
	CD		≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50
Edge Wick, kg/m ² /hr			≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5
Wax Pick, A		T459 om-93	≥ 13	≥ 13	≥ 13	≥ 13	≥ 13	≥ 13	≥ 13	≥ 13	≥ 13	≥ 13	≥ 13	≥ 13
Internal Bonding, J/m ²		Huygen Test	≥ 180	≥ 180	≥ 180	≥ 180	≥ 180	≥ 180	≥ 180	≥ 180	≥ 180	≥ 180	≥ 180	≥ 180
Surface Tension, Dyne/cm	PE Side	ASTM D2578-09	> 38	> 38	> 38	> 38	> 38	> 38	> 38	> 38	> 38	> 38	> 38	> 38

LDPE POLY CONFIGURATIONS

LDPE Grammage, g/m ²	± 2	15	18	20
LDPE Thickness, µm	Min	12	15	18

* Available in both single-sided and double-sided PE poly configuration.

Notes : Claims out of TDS are not acceptable

Mill warrants the product is made as per the stipulated specification and is not liable for any non-performance related to customer's process and end use application

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 T410 cm-02	THICKNESS ISO 5341988 (E)	STIFFNESS 15° T556 cm-05			
		CD (gf/cm)	MD (gf/cm)	CD (mNm)	MD (mNm)
(g/m ²)	(μm)	(pt)			
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 cm-02		7.5 ± 1.0
Brightness, %	ISO 2470 -1	TOP	Min 80.0
		BACK	Min 80.0
Internal Bonding, J/m ²	T 569 pm-00, SCOTT		Min 150
Water Absorption Cobb (180sec), g/m ²	T 441 cm-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 cm-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
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 ²	± 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, Youghurt 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.