Papermat Global trading LLC

TECHNICAL DATA SHEET

GC1 Boxboard High Bright

Origin: Indonesia

170 – 400 g/m² | GC1 folding boxboard | Brightness D65/10 92 ± 1 %

PAPERMAT REF. **PM-FB-170/400-HB**



A premium GC1 folding boxboard with high bulk and lightweight strength. Engineered for maximum yield, it offers outstanding brightness, sharp print quality, and vibrant color reproduction making it ideal for general packaging.

Superior Yield

It provides a high yield-advantage value sheet without compromising print quality.

High Brightness

A brilliant white shade yields surface consistency for bold colors, halftones and solid ink saturation.

Smooth Surface

Evenly coated micro-textured surface for superior printing with consistent surface and caliper characteristics.

Versatility

Robust fiber information resulting in a perfect stiffness for die cutting, embossing and foil stamping. Ideal for various printing methods.

Grammage, gsm — g/m² ISO 536	Grammage — 24 x 36" 500 ISO 536	Thickness, micron ISO 534	Thickness, pt ISO 534	Stiffness 15° CD, mN.m TAPPI T 489	Stiffness 15° MD, mN.m TAPPI T 489
170 ± 4%	105 ± 4%	255 ± 4%	10	2.0	4.2
200 ± 4%	123 ± 4%	310 ± 4%	12	2.9	6.2
230 ± 4%	142 ± 4%	365 ± 4%	14	5.3	10.5
250 ± 4%	154 ± 4%	400 ± 4%	16	7.5	14.0
280 ± 4%	172 ± 4%	460 ± 4%	18	10.5	20.5
305 ± 4%	188 ± 4%	510 ± 4%	20	12.0	24.5
340 ± 4%	209 ± 4%	560 ± 4%	22	16.0	30.2
360 ± 4%	222 ± 4%	600 ± 4%	24	19.0	37.0
390 ± 4%	240 ± 4%	660 ± 4%	26	20.5	40.0
400 ± 4%	246 ± 4%	690 ± 4%	27	21.0	41.0

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

BOARD CONSTRUCTION

Coating	TRIPLE COATING
Print Layer	BLEACHED CHEMICAL PULP
Filler Layer	BCTMP
Reverse Layer	BLEACHED CHEMICAL PULP
Coating	SINGLE COATING

PROPERTIES

Moisture, %	**7.0 ± 1.0**	ISO 287
Gloss (Top) 75, %	**50 ± 5**	ISO 8254-1
Internal Bonding Strength, J/m²	**≥ 130**	ISO 16260
PPS Roughness Top, micron	**1.2 ± 0.3**	ISO 8791-4
Cobb Size (60 s) Top, g/m²	**≤ 60**	ISO 535
Brightness D65/10 Top, %	**92 ± 1**	ISO 2470-2

TYPICAL END USES

Cosmetics, Toiletries, Detergents, Textile, Tools, Household Appliances

RECOMMENDED PRINTING METHODS

Offset

Note : - The back side (reverse side) is not recommended for printing. - 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.