Papermat Global trading LLC

TECHNICAL DATA SHEET

GC1 Folding Boxboard

Origin: Indonesia

170 – 400 g/m² | GC1 folding boxboard | Brightness D65/10 90 ± 1 %

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



A GC1 folding boxboard developed for high-performance packaging. Its combination of strength, converting ease, and high quality print performance with a bright bluish-white finish for a refined visual outcome.

Cost Efficiency

It provides an optimal balance between performance & cost, delivery dependable quality for premium packaging applications.

Consistent Printability

Engineered to ensure stable ink absorption and color reproduction, it supports clear graphics and uniform printing result.

Stable Strength

With controlled stiffness and structural integrity, it performs well in die-cutting, folding and gluing process.

Wide Application

Suitable for a broad range of applications such as inner packaging, general-purpose boxes, making it a versatile choice for diverse market needs.

Grammage, gsm ISO 536	Moisture, % ISO 287	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%	7.0 ± 1.0	226 ± 4%	9	1.5	2.8
190 ± 4%	7.0 ± 1.0	255 ± 4%	10	2.0	3.9
210 ± 4%	7.0 ± 1.0	285 ± 4%	11	3.0	6.5
230 ± 4%	7.0 ± 1.0	318 ± 4%	13	3.9	7.8
250 ± 4%	7.0 ± 1.0	350 ± 4%	14	4.9	9.8
270 ± 4%	7.0 ± 1.0	385 ± 4%	15	6.1	12.2
300 ± 4%	7.0 ± 1.0	435 ± 4%	17	7.9	15.8
325 ± 4%	7.0 ± 1.0	480 ± 4%	19	9.5	19.0
350 ± 4%	7.0 ± 1.0	525 ± 4%	21	13.2	26.5
380 ± 4%	7.0 ± 1.0	580 ± 4%	23	16.4	33.1
400 ± 4%	7.0 ± 1.0	620 ± 4%	24	20.3	40.5

*) 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

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, %	**90 ± 1**	ISO 2470-2

TYPICAL END USES

Toiletries, Pharmaceutical, Detergent, Textiles, Household Appliances, Hobby Items, Paper Products

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.