

Folding boxboard (GC1), 100% virgin fibres, multilayered with a white top and a white back, triple coated top and pigmented rear side

Basis weight	ISO 536	g/m ²	235	265	290	315	340	370	400
Thickness	ISO 534	µm	305	355	405	455	505	555	605
Bulk	ISO 534	cm ³ /g	1,30	1,34	1,40	1,44	1,49	1,50	1,51
CIE Whiteness	ISO 11475	%	125	125	125	125	125	125	125
CIE Whiteness (reverse)	ISO 11475	%	102	102	102	102	102	102	102
Bending Resistance (L&W 15° MD)	ISO 2493-1	mN	220	300	430	550	580	860	1100
Bending Resistance (L&W 15° CD)	ISO 2493-1	mN	110	150	230	290	370	480	610
Roughness (Bendtsen)	ISO 8791-2	ml/min	50	50	50	50	50	50	50
Roughness (Bendtsen) (reverse)	ISO 8791-2	ml/min	500	500	500	500	500	500	500
Roughness (PPS)	ISO 8791-4	µm	1,0	1,0	1,0	1,0	1,0	1,0	1,0
Moisture content	ISO 287	%	7,4	7,4	7,5	7,7	7,9	8,1	8,3
Cobb 60 sec.	ISO 535	g/m ²	35	35	35	35	35	35	35
Cobb 60 sec. (reverse)	ISO 535	g/m ²	35	35	35	35	35	35	35
Internal bond strength (Scott bond)	T 569	J/m ²	150	150	150	150	150	150	150
Tearing resistance (MD)	ISO 1974	mN	3100	3800	4250	4800	5500	6300	7300

All properties are according to mill measurements that may be subject to fluctuations which are customary within the industry

Applications

- Folding boxes, Food packaging, Luxury packaging, Tags, Covers for books and brochures, Folders, Desktop calendars, Desktop displays, Greeting cards

Technical product certificates and information

- Toy Safety: Migration of elements (DIN EN 71/3)
- Free from heavy metals according to EU packaging directive (94/62/EC)
- Food safety ISEGA (EN 45011)
- Food safety (EC 1935/2004)
- Food safety (FSSC 22000)
- Food safety (BfR recommendation XXXVI)

Supplier certificates

- FSC®
- PEFC™
- Environmental Management System (ISO 14001)
- Quality Management System (ISO 9001)
- Energy management (ISO 50001)

Technical capability

Printing technologies:	Absorbent substrate that is suitable for offset, UV-offset and screen printing. A sufficient quantity of printing powder with an appropriate particle size has to be considered.
Screen ruling:	All conventional screen rulings up to 80 l/cm (200 lpi) are applicable. When using other screen technologies, tests are recommended before print production.
Printing inks:	Suitable for inks that dry by absorption and oxidation (Offset), for UV-inks and screen printing inks.
Ink drying:	The drying process of the conventional offset ink is entirely completed within 24 to 48 hours, depending on the thickness of the ink film.
Printing pressure:	Standard pressure
Finishing:	All types of varnishing such as overprint-, water-based and UV varnishes, as well as cold foil transfer, hot foil stamping, embossing and die-cutting are possible.
Hot foil stamping:	suitable
Laminating:	suitable
Creasing & folding:	For the substances of 150 g/m ² and higher, the folding process has to be prepared via creasing. In order to obtain the best possible folding results, the common standard values for creasing have to be considered.
Handling information:	The flatness of this paper is guaranteed at a relative humidity between 45 and 55% at a temperature between 20 and 23°C. It is recommended that the printing room has comparable climatic conditions. The paper should be kept as long as possible in the mill-wrapper before use. Extreme changes in temperature and humidity should be avoided.

For all printing and processing techniques, the recommendations of the manufacturers of machines, inks, adhesives, laminating and embossing foils, etc. are to be followed. For damages caused by faulty implementation of printing and processing, Papyrus cannot accept any liability.

Can be subject to printing errors and modifications