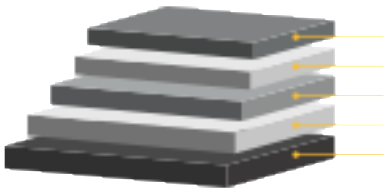
Folding Box Board GC1 Hi-Bulk

Technical Data Sheet

Product Description

A specialized type of folding box board offering light-weighting option without compromising the strength and thickness. It is suitable for applications where both durability and rigidity, more substantial feel are desired.

Structure



Triple layer coating
Top layer (Bleached Chemical Pulp)
Middle layer (BCTMP)
Back layer (Bleached Chemical Pulp)
Single layer coating

Features

Good printability for both side printing end application. Light-weighting without compromising the strength and thickness

End-use

Cosmetics, confectionery, dry food, electronics, book cover, healthcare, and pharmaceuticals

Rev.03
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Property	Unit	Tolerance	Value										Standard
Grammage	g/m²	± 3%	215	225	235	250	270	295	305	325	350	380	ISO536
Grammage	lb/3000ft²		132.1	138.3	144.4	153.6	165.9	181.3	187.4	199.7	215.1	233.5	ISO536
Thickness	µm	± 4%	305	330	355	380	420	460	490	510	560	610	ISO534
Thickness	pt		12.0	12.9	13.9	14.9	16.5	18.0	19.2	20.0	21.9	23.9	ISO534
Moisture	%	± 1.0	7.0	7.0	7.0	7.0	7.0	7.0	7.5	7.5	7.5	8.0	ISO287
Stiffness Taber 15° MD	mN.m	- 15%	7.8	9.9	11.5	13.7	16.0	20.7	24.1	28.6	34.1	39.5	ISO2493
Stiffness Taber 15° MD	gm.cm		79.6	101.0	117.3	139.7	163.2	211.1	245.8	291.7	347.8	402.9	ISO2493
Stiffness Taber 15° CD	mN.m	- 15%	3.7	4.7	5.5	6.5	7.5	9.8	11.4	13.6	16.2	18.8	ISO2493
Stiffness Taber 15° CD	gm.cm		37.7	47.9	56.1	66.3	76.5	100.0	116.3	138.7	165.2	191.8	ISO2493
Top Cobb (60s)	g/m²	≤	50	50	50	50	50	50	50	50	50	50	ISO535
Top Cobb (60s)	lb/1000ft²		10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	ISO535
Back Cobb (60s)	g/m²	≤	60	60	60	60	60	60	60	60	60	60	ISO535
Back Cobb (60s)	lb/1000ft²		12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	ISO535
Top Brightness	%	± 2	91	91	91	91	91	91	91	91	91	91	ISO2470
Gloss 75°	%	± 5	50	50	50	50	50	50	50	50	50	50	ISO8254
Surface Roughness PPS10	µm	Max 1.5	1	1	1	1	1	1	1	1	1	1	ISO8791
Surface Strength	m/s	≥	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	ISO3783

Property	Unit	Tolerance	Value										Standard
Scott Bond	J/m²	Min 130	150	150	150	150	150	150	150	150	150	150	TAPPI T569
Scott Bond	ft.lbf/in²		0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	TAPPI T569

Remarks

1. All properties are tested according to ISO and TAPPI Standard.
2. Tolerances, when specified, are based on 95% confidence limits on mill measurements of samples tested in standard conditions. According to ISO 187, (23°C/50% RH).