

ZENITH
GC1 FOLDING BOX BOARD

TECHNICAL INFORMATION

Property	Unit	Standard	Tolerance	Values							
Grammage	g/m ²	ISO 536	±3%	215	235	250	270	295	325	350	380
	(24"x36" 500)lb	ISO 536		132	144	154	166	181	200	215	233
Caliper	pt	ISO 534	±0.4	12.0	14.0						
Thickness	µm	ISO 534	±0.6			15.0	16.1	18.1	20.1	22.0	24.0
			±10	305	355						
Stiffness CD	mN·m	ISO 2493	±15			380	410	460	510	560	610
			target	3.60	5.00	5.80	8.20	11.0	14.6	17.0	20.0
Stiffness MD	mN·m	ISO 2493	min	3.30	4.50	5.30	7.50	10.0	13.0	15.0	17.5
			target	7.10	10.0	13.0	16.0	22.5	28.5	35.0	40.0
Moisture	%	ISO 287	min	6.50	8.90	10.5	14.8	19.7	25.6	29.5	34.5
			±1.0	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
PPS Top	µm	ISO 8791-4	≤	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
Brightness Top	%	ISO 2470-2	±2.0	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
* L*		ISO 5631-2	±1.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
* a*		ISO 5631-2	±0.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
* b*		ISO 5631-2	±1.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
Gloss 75° Top	%	ISO 8254-1	≥	45	45	45	45	45	45	45	45
IGT Blister Top	m/s	ISO 3783	≥	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
COBB 60s Top	g/m ²	ISO 535	≤	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
PLY Bonding	J/m ²	TAPPI 569	≥	130	130	130	130	130	130	130	130
Squareness	mm	GB/T 451.1		0-2.0	0-2.0	0-2.0	0-2.0	0-2.0	0-2.0	0-2.0	0-2.0
Size Deviation	mm	GB/T 451.1		0-2.0	0-2.0	0-2.0	0-2.0	0-2.0	0-2.0	0-2.0	0-2.0

• Items marked "*" are reference standards

Test Condition: (50±2)%RH, (23±1)°C

Version: A-C Date of Issue:201711(In the case of any changed or revision in the standard, the latest version shall prevail)

Manufactured by: Ningbo Zhonghua Paper Co.,Ltd

Ningbo Zhonghua Paper Co.,Ltd. and Ningbo Asia Pulp&Paper Co.,Ltd. won the PEFC-COC / ISO9001 / ISO14001 / OHSAS18001 / ISO14025 and so on the title.

