

**NINGBO STAR**  
C2S ART BOARD



TECHNICAL INFORMATION													
Property	Unit	Standard	Tolerance	Values									
Grammage	g/m <sup>2</sup>	ISO 536	±3%	180	200	210	230	250	260	270	300	350	400
	(24"x36" 500)lb	ISO 536		111	123	129	141	154	160	166	184	215	246
Caliper	pt	ISO 534	±0.4	7.5	8.1	8.5	9.8						
			±0.6				10.6	11.2	12.0	14.0	15.9	18.1	
Thickness	µm	ISO 534	±10	190	205	215	250						
			±15				270	285	305	355	405	460	
Stiffness CD	mN·m	ISO 2493	target	1.00	1.30	1.60	2.30	3.00	3.80	4.40	6.00	9.10	13.7
			min	0.90	1.20	1.40	2.20	2.80	3.60	4.00	5.40	8.20	12.3
Stiffness MD	mN·m	ISO 2493	target	1.80	2.30	3.00	4.10	5.20	6.30	7.00	10.8	16.1	22.4
			min	1.70	2.10	2.80	3.70	5.00	5.70	6.30	9.20	13.8	19.9
Moisture	%	ISO 287	±1.0	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
PPS Top/Back	µm	ISO 8791-4	≤	1.40	1.40	1.40	1.40	1.60	1.60	1.60	1.60	1.60	1.60
Brightness Top/Back	%	ISO 2470-2	±2.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
* L* Top/Back		ISO 5631-2	±1.0	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
* a* Top/Back		ISO 5631-2	±0.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
* b* Top/Back		ISO 5631-2	±0.50	-7.00	-7.00	-7.00	-7.00	-7.00	-7.00	-7.00	-7.00	-7.00	-8.5
Gloss75° Top/Back	%	ISO 8254-1	≥	60	60	60	60	60	60	60	60	60	60
IGT Blister Top/Back	m/s	ISO 3783	≥	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
COBB 60s Top/Back	g/m <sup>2</sup>	ISO 535	≤	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
PLY Bonding	J/m <sup>2</sup>	TAPPI 569	≥	150	150	150	150	150	150	150	150	150	150
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	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	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.

