

HUATAI GROUP

ART PAPER GLOSS C2S TECHNICAL SPECIFICATION

Product		100.0g/m ²	Test Time	03.02.12	Deliver Date	03.02.12
Items	Unit	Test Method/	Test Result	Appearance	Conclusion	
Substance		g/m ²	GB451. 2	101		
Thickness		um	GB451. 3	78		
Stiffness	MD	mN. m		0. 39		
	CD	mN. m		0. 18		
Opacity		%	GB1543	92		
Brightness		%	GB7974	91. 8		
Vision brightness		%	GB7974	109		
L			GB7974	93. 9		
a			GB7974	0. 77		
b			GB7974	-5. 29		
Gloss		%		71. 5		
Air permeability		km	GB453			
Smoothness	Top	S	GB456	1012	Test conditions: Temperature: 23.0°C RH: 50%	
	Back	S	GB456	980		
	deviation	%	GB456			
Foldness CD		Times	GB457	15		
Cobb	Top	g/m ²	GB1540	33. 4		
	Back	g/m ²	GB1540	34		
roughness concentration		g/m ²	GB1540	0. 78		
Ash Content		%	GB463	36		
Surface Strength	Top	m/s	GB3331	1. 9		
	Back	m/s	GB3331	2. 36		
Formation			GB1545. 2	3. 09		
oil absorbency		%		19		
Bursting Strength		Kpa. m ² /g		2. 57		
moisture		%	GB453	4		

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ART PAPER GLOSS C2S TECHNICAL SPECIFICATION

Product		105.0g/m ²	Test Time	03.02.12	Deliver Date	03.02.12
Items		Unit	Test Method/	Test Result	Appearance	Conclusion
Substance		g/m ²	GB451.2	106		
Thickness		um	GB451.3	84		
Stiffness	MD	mN.m		0.55		
	CD	mN.m		0.29		
Opacity		%	GB1543	93.43		
Brightness		%	GB7974	92		
Vision brightness		%	GB7974	110		
L			GB7974	93.5		
a			GB7974	0.8		
b			GB7974	-5.46		
Gloss		%		69		
Air permeability		km	GB453			
Smoothness	Top	S	GB456	923	Test conditions: Temperature: 23.0°C RH: 50%	
	Back	S	GB456	899		
	deviation	%	GB456			
Foldness CD		Times	GB457	12		
Cobb	Top	g/m ²	GB1540	35		
	Back	g/m ²	GB1540	34.6		
roughness concentration		g/m ²	GB1540	0.78		
Ash Content		%	GB463	36.5		
Surface Strength	Top	m/s	GB3331	1.6		
	Back	m/s	GB3331	2		
Formation			GB1545.2	3.22		
oil absorbency		%		20		
Bursting Strength		Kpa.m ² /g		2.61		
moisture		%	GB453	4.1		

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ART PAPER GLOSS C2S TECHNICAL SPECIFICATION

Product		115.0g/m ²	Test Time	03.02.12	Deliver Date	03.02.12
Items		Unit	Test Method/	Test Result	Appearance	Conclusion
Substance		g/m ²	GB451. 2	116		
Thickness		um	GB451. 3	92		
Stiffness	MD	mN. m		0. 6		
	CD	mN. m		0. 22		
Opacity		%	GB1543	93. 2		
Brightness		%	GB7974	91. 4		
Vision brightness		%	GB7974	111		
L			GB7974	93. 3		
a			GB7974	0. 74		
b			GB7974	-6. 32		
Gloss		%		68		
Air permeability		km	GB453			
Smoothness	Top	S	GB456	800	Test conditions: Temperature: 23.0°C RH: 50%	
	Back	S	GB456	789		
	deviation	%	GB456			
Foldness CD		Times	GB457	14		
Cobb	Top	g/m ²	GB1540	30. 5		
	Back	g/m ²	GB1540	32. 6		
roughness concentration		g/m ²	GB1540	0. 85		
Ash Content		%	GB463	36		
Surface Strength	Top	m/s	GB3331	1. 65		
	Back	m/s	GB3331	1. 95		
Formation			GB1545. 2	3. 54		
oil absorbency		%		19		
Bursting Strength		Kpa. m ² /g		2. 78		
moisture		%	GB453	4. 3		

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ART PAPER GLOSS C2S TECHNICAL SPECIFICATION

Product		120.0g/m ²	Test Time	03.02.12	Deliver Date	03.02.12
Items		Unit	Test Method/	Test Result	Appearance	Conclusion
Substance		g/m ²	GB451. 2	120		
Thickness		um	GB451. 3	94		
Stiffness	MD	mN. m		0. 56		
	CD	mN. m		0. 35		
Opacity		%	GB1543	95. 4		
Brightness		%	GB7974	92. 2		
Vision brightness		%	GB7974	113		
L			GB7974	93. 5		
a			GB7974	0. 86		
b			GB7974	-6. 04		
Gloss		%		68. 9		
Air permeability		km	GB453			
Smoothness	Top	S	GB456	900		
	Back	S	GB456	813	Test conditions: Temperature: 23.0°C	
	deviation	%	GB456			
Foldness CD		Times	GB457	12	RH: 50%	
Cobb	Top	g/m ²	GB1540	33. 7		
	Back	g/m ²	GB1540	35. 3		
roughness concentration		g/m ²	GB1540	0. 8		
Ash Content		%	GB463	42. 7		
Surface Strength	Top	m/s	GB3331	1. 4		
	Back	m/s	GB3331	1. 56		
Formation			GB1545. 2	3. 15		
oil absorbency		%		22. 3		
Bursting Strength		Kpa. m ² /g		2. 16		
moisture		%	GB453	4. 5		

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ART PAPER GLOSS C2S TECHNICAL SPECIFICATION

Product		128.0g/m ²	Test Time	03.02.12	Deliver Date	03.02.12
Items		Unit	Test Method/	Test Result	Appearance	Conclusion
Substance		g/m ²	GB451.2	128		
Thickness		um	GB451.3	101		
Stiffness	MD	mN. m		0.98		
	CD	mN. m		0.55		
Opacity		%	GB1543	94.3		
Brightness		%	GB7974	91.9		
Vision brightness		%	GB7974	112		
L			GB7974	93.6		
a			GB7974	0.8		
b			GB7974	-6.5		
Gloss		%		68.5		
Air permeability		km	GB453			
Smoothness	Top	S	GB456	641	Test conditions: Temperature: 23.0°C RH: 50%	
	Back	S	GB456	621		
	deviation	%	GB456			
Foldness CD		Times	GB457	11		
Cobb	Top	g/m ²	GB1540	32.5		
	Back	g/m ²	GB1540	33.9		
roughness concentration		g/m ²	GB1540	0.9		
Ash Content		%	GB463	43.8		
Surface Strength	Top	m/s	GB3331	1.75		
	Back	m/s	GB3331	1.9		
Formation			GB1545.2	3.41		
oil absorbency		%		17		
Bursting Strength		Kpa. m ² /g		2.39		
moisture		%	GB453	4.3		

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ART PAPER GLOSS C2S TECHNICAL SPECIFICATION

Product		150.0g/m ²	Test Time	03.02.12	Deliver Date	03.02.12
Items		Unit	Test Method/	Test Result	Appearance	Conclusion
Substance		g/m ²	GB451.2	151		
Thickness		um	GB451.3	123		
Stiffness	MD	mN.m		1.45		
	GD	mN.m		0.82		
Opacity		%	GB1543	95		
Brightness		%	GB7974	91.6		
Vision brightness		%	GB7974	110		
L			GB7974	93.3		
a			GB7974	0.85		
b			GB7974	-6.3		
Gloss		%		68.6		
Air permeability		km	GB453			
Smoothness	Top	S	GB456	489	Test conditions: Temperature: 23.0°C RH: 50%	
	Back	S	GB456	471		
	deviation	%	GB456			
Foldness CD		Times	GB457	10		
Cobb	Top	g/m ²	GB1540	31.4		
	Back	g/m ²	GB1540	33		
roughness concentration		g/m ²	GB1540	1.05		
Ash Content		%	GB463	34		
Surface Strength	Top	m/s	GB3331	1.7		
	Back	m/s	GB3331	1.96		
Formation			GB1545.2	3.14		
oil absorbency		%		19		
Bursting Strength		Kpa.m ² /g		2.33		
moisture		%	GB453	4.4		

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ART PAPER GLOSS C2S TECHNICAL SPECIFICATION

Product		157.0g/m ²	Test Time	03.02.12	Deliver Date	03.02.12
Items		Unit	Test Method/	Test Result	Appearance	Conclusion
Substance		g/m ²	GB451.2	158		
Thickness		um	GB451.3	130		
Stiffness	MD	mN.m		1.72		
	CD	mN.m		1		
Opacity		%	GB1543	97.5		
Brightness		%	GB7974	91		
Vision brightness		%	GB7974	109		
L			GB7974	93.5		
a			GB7974	0.8		
b			GB7974	-6.46		
Gloss		%		66.8		
Air permeability		km	GB453			
Smoothness	Top	S	GB456	461	Test conditions: Temperature: 23.0°C RH: 50%	
	Back	S	GB456	449		
	deviation	%	GB456			
Foldness CD		Times	GB457	10		
Cobb	Top	g/m ²	GB1540	33		
	Back	g/m ²	GB1540	30		
roughness concentration		g/m ²	GB1540	1.1		
Ash Content		%	GB463	37		
Surface Strength	Top	m/s	GB3331	1.6		
	Back	m/s	GB3331	1.7		
Formation			GB1545.2	2.76		
oil absorbency		%		20		
Bursting Strength		Kpa.m ² /g		2.56		
moisture		%	GB453	4.4		

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ART PAPER GLOSS C2S TECHNICAL SPECIFICATION

Product		180.0g/m ²	Test Time	03.02.12	Deliver Date	03.02.12
Items		Unit	Test Method/	Test Result	Appearance	Conclusion
Substance		g/m ²	GB451.2	182		
Thickness		um	GB451.3	163		
Stiffness	MD	mN.m		2.5		
	CD	mN.m		1.5		
Opacity		%	GB1543	98.17		
Brightness		%	GB7974	92		
Vision brightness		%	GB7974	110		
L			GB7974	93.5		
a			GB7974	0.8		
b			GB7974	-6.6		
Gloss		%		65.1		
Air permeability		km	GB453			
Smoothness	Top	S	GB456	213	Test conditions: Temperature: 23.0°C RH: 50%	
	Back	S	GB456	200		
	deviation	%	GB456			
Foldness CD		Times	GB457	6		
Cobb	Top	g/m ²	GB1540	32.1		
	Back	g/m ²	GB1540	30		
roughness concentration		g/m ²	GB1540	0.9		
Ash Content		%	GB463	36.5		
Surface Strength	Top	m/s	GB3331	1.15		
	Back	m/s	GB3331	1.09		
Formation			GB1545.2	3.5		
oil absorbency		%		22		
Bursting Strength		Kpa.m ² /g		3.46		
moisture		%	GB453	4		

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ART PAPER GLOSS C2S TECHNICAL SPECIFICATION

Product		200.0g/m ²	Test Time	03.02.12	Deliver Date	03.02.12
Items	Unit	Test Method/	Test Result	Appearance	Conclusion	
Substance		g/m ²	GB451.2	198		
Thickness		um	GB451.3	175		
Stiffness	MD	mN. m		3.7		
	CD	mN. m		2.33		
Opacity		%	GB1543	99: 23		
Brightness		%	GB7974	92		
Vision brightness		%	GB7974	110		
L			GB7974	93.5		
a			GB7974	0.8		
b			GB7974	-6.5		
Gloss		%		65		
Air permeability		km	GB453			
Smoothness	Top	S	GB456	320	Test conditions: Temperature: 23.0℃ RH: 50%	
	Back	S	GB456	300		
	deviation	%	GB456			
Foldness CD		Times	GB457	6		
Cobb	Top	g/m ²	GB1540	38.9		
	Back	g/m ²	GB1540	40		
roughness concentration		g/m ²	GB1540	0.9		
Ash Content		%	GB463	36.5		
Surface Strength	Top	m/s	GB3331	1.2-		
	Back	m/s	GB3331	1		
Formation			GB1545.2	3.46		
oil absorbency		%		23		
Bursting Strength		Kpa. m ² /g		3.21		
moisture		%	GB453	4.1		