

Graphical & Cartonboard from WL Coller

Performa Brilliance - (GC1)

A coated GC1 board with a three-layer fibre construction and CTMP (chemi-thermomechanical pulp) in the middle layer. It is triple-pigment coated on the top side, with one layer of coating on the reverse.

Typical End uses: Advanced graphical and high-end packaging applications, ideal for folding cartons for Pharmaceuticals, cosmetic and luxury packaging.



Property / Unit	Unit	Standard	Target value												Tolerance
			SAMPLE												
Thickness	µm	ISO 534	255	305	330	360	390	415	455	495	535	585			± 5.0%
Basis Weight	g/m²	ISO 536	180	200	215	230	245	260	280	300	320	345			± 4.0%
Bending Resistance L&W 15° MD	mN	ISO 2493	108	147	186	224	286	343	430	515	618	765			-15%
Bending Resistance L&W 15° CD	mN	ISO 2493	53	72	91	110	140	167	210	250	303	375			-15%
Bending Moment Taber 15° MD	mNm	ISO 2493	5.2	7.1	9.0	10.8	13.8	16.6	20.8	24.9	29.8	36.9			-15%
Bending Moment Taber 15° CD	mNm	ISO 2493	2.6	3.5	4.4	5.3	6.8	8.1	10.1	12.1	14.6	18.1			-15%
Bending Stiffness 5° MD	mNm	DIN 5°	8.2	12	15.9	19.6	25.7	31.3	40	48.3	58.4	73			-15%
Bending Stiffness 5° CD	mNm	DIN 5°	4.4	6.2	8	9.9	12.8	15.4	20	20.1	28.6	36			-15%
Moisture, %	%	ISO 287	6.2	6.8	7.2	7.8	8.0	8.1	8.3	8.6	8.7	8.8			± 1.0
ISO Brightness C/2°, %, Top		ISO 2470-1	92	92	92	92	92	92	92	92	92	92			min. 89
ISO Brightness C/2°, %, Reverse		ISO 2470-1	90	90	90	90	90	90	90	90	90	90			min. 87
Brightness D65/10°, %, Top		ISO 2470-2	98	98	98	98	98	98	98	98	98	98			min. 87
CIE Whiteness D65/10°, Top		ISO 11475	122	122	122	122	122	122	122	122	122	122			
CIE Whiteness D65/10°, Reverse		ISO 11475	120	120	120	120	120	120	120	120	120	120			
L*, Top		ISO 5631-2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5			
a*, Top		ISO 5631-2	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9			
b*, Top		ISO 5631-2	-7.5	-7.5	-7.5	-7.5	-7.5	-7.5	-7.5	-7.5	-7.5	-7.5			
Surface Smoothness, PPS 10, µm, Top		ISO 8791-4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			max. 1.5
Surface Smoothness, PPS 10, µm, Reverse		ISO 8791-4	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5			max. 7.5
Gloss 75°, %		ISO 8254-1	40	40	40	40	40	40	40	40	40	40			
Scott Bond, J/m²		TAPPI 569	145	145	145	145	145	145	145	145	145	145			min. 110
Edge wicking*, g/mm.m			0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5			max. 1.0
Cobb 60, g/m², Top		ISO 535	30	30	30	30	30	30	30	30	30	30			max. 60
Cobb 60, g/m², Reverse		ISO 535	30	30	30	30	30	30	30	30	30	30			max. 60

Initial Stock Range

Thickness	µm	ISO 534	255	305	330	360	390	415	455	495	535	585			
Basis Weight	g/m²	ISO 536	180	200	215	230	245	260	280	300	320	345			
Size (MM)		450 x 640 mm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		520 x 720 mm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	UK Stock available
		640 x 900 mm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Mill Makings only
		720 x 1020 mm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

Performa
by Stora Enso

