

Product: Incada Silk Digital

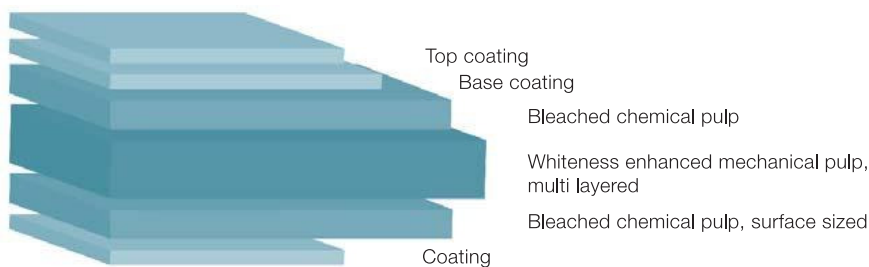
Category: Packaging - Cartonboard

Mill: Iggesund Paperboard AB

Country of Origin: United Kingdom

Technical specifications:

Folding Box Board, GC1



Product description

Incada Silk is designed for quality packaging and graphical applications which require outstanding visual impact. It is a fully coated white back folding box board finished to a matt level which gives excellent results in both solid print and half tone illustrations and easily develops a high print and varnish gloss.

The reverse side is single coated and finished to a matt level which gives an aesthetically pleasing appearance and provides improvements compared to an uncoated surface regarding smoothness and uniformity in ink absorption.

Incada Silk is a primary fibre paperboard comprising bleached chemical pulp outer plies, mechanical pulp middle plies and carefully chosen coating ingredients which together meet the requirements for high performance in quality printing and varnishing.

The fully coated finish gives a very smooth surface and meets the requirements for both demanding half tone gravure and offset litho processes, where smoothness and uniform ink absorption are of prime importance. The ink setting and drying properties also ensure good runnability in high speed offset litho processes.

Grammage (g/m ²)	220	240	260	280	300	325	350
Thickness (µm)	325	365	405	445	485	540	590
Caliper (pt)	12.8	14.4	15.9	17.6	19.1	21.3	23.2
Tolerances: Grammage + 4% (ISO 536) Thickness + 4%, max +20µm (ISO 534)							

Certifications					
Product related	ECF	FSC® Mix	Food contact	Toy safety	
		TT-COC-002067	EC 1935/2004, EC 2023/2006 ¹ American FDA. German BfR	EN 71 Part 3, ISO 8124-3: 2010.	
	All fibres from sustainable and controlled sources in compliance with the EU Timber Regulation ED 995/2010				
Mill related	ISO 14001	FSC® C. O. C.	ISO 9001	BS OHSAS 18001	ISO 50001

¹) the GMP regulation, extended with CEPI GMP

Technical specification sheet

Ball & Doggett

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Properties					
	Printing side		Reverse side		
		Tolerances		Tolerances	Methods/Remarks ¹⁾
Grammage (g/m ²)	220-350		220-350	± 4%	ISO 536
Colour					
L* (%)	95.2	± 0.8	96.0	± 0.8	ISO 5631-2
a*	1.4	± 0.6	0.9	± 0.6	ISO 5631-2
b*	-7.2	± 1.0	-5.2	± 1.0	ISO 5631-2
Whiteness (%)	120	± 2.5	114	± 5.0	ISO 11475
ISO brightness (%)	91.5	± 2.0	90.5	± 2.0	ISO2470
Surface roughness (µm)	0.9	≤ 1.2	3.5	≤ 5.5	ISO 8791-4
Board gloss 75° (%)	50	-10	-	-	ISO 8254-1
Surface strength IGT (m/s)					
Blister/pick	1.0	≥ 0.85	1.3	≥ 0.85	ISO 3783
Cobb (g/m ² 60 s)	30	-	30	-	ISO 535
Ply Bond (J/m ²)	150		≥ 100		TAPPI 569
Robinson taint	Below the detection limit of 0.6				EN 1230, DIN 10955

Grammage dependent properties										
Grammage (g/m ²)	220	240	260	280	300	325	350	± 4%	ISO 536	
Thickness (µm)	325	365	405	445	485	540	590	± 4%	ISO534	
Moisture content (%)	8.0	8.0	8.0	8.5	8.5	8.5	8.5	± 4%	ISO287	
Bending stiffness L&W 5° (mNm)										
MD	18.5	25.2	33.0	42.0	52.2	65.8	80.5	-	ISO5628	
CD	7.7	10.5	14.2	18.3	23.0	29.1	35.6	-	ISO5628	
Bending resistance L&W 15° (mN)										
MD	203	271	351	442	544	683	831	-15%	ISO2493	
CD	93	122	159	201	248	311	377	-15%	ISO2493	
Bending moment Taber 15° (mNm)										
MD	9.8	13.1	169	21.3	26.3	33.0	40.2	-15%	ISO2493	
CD	4.5	5.9	7.7	9.7	12.0	15.0	18.2	-15%	ISO2493	

1) See section 'General Technical Information'

All properties are measured in test climate 23°C/50% RH at Workington mill. Tolerances and max/min levels, when stated, are based upon 95% confidence interval within each production run.