sappi Magno™

Product information sheet

Magno™ volume

Coated fine paper available in sheets and reels for offset printing

Technical specifications

PARAMETER	STANDARD	UNIT	90	100	115	130	135	150	170	200	250	300
BASIS WEIGHT	ISO 536	g/m²										
BRIGHTNESS (illuminant D65/10°)	ISO 2470-2	%	100	100	100	100	100	100	100	100	99	99
CIE WHITENESS (D65/10°)	ISO 11475	%	124	125	126	126	126	126	126	126	124	124
OPACITY	ISO 2471	%	94	95	96	97	97	98	98	98,5	99	99
GLOSS TAPPI 75°	ISO 8254-1	%	14	14	14	14	14	14	14	14	14	14
ROUGHNESS PPS	ISO 8791-4	µm	4,0	4,0	4,0	4,0	4,0	4,0	4,0	4,0	2,5	2,5
THICKNESS	ISO 534	µm	97	108	124	140	146	162	184	216	263	315
BULK	ISO 534	cm³/g	1,08	1,08	1,08	1,08	1,08	1,08	1,08	1,08	1,05	1,05
RELATIVE HUMIDITY (23°C)	TAPPI 502	%	50	50	50	50	50	50	50	50	50	50

Print recommendations

Dot area	For dot areas over 320% we recommend Under Colour Removal (UCR).
Processing	Allow paper time to acclimatise to press room conditions before removing outer packaging. Strapping bands (if applied) should be removed shortly after delivery. Outer wrappers should be removed only when ready to print. Ideal press room conditions should be 50% ± 5 % relative humidity at 20°C.
Finishing	Suitable for all standard finishes, foil laminating (>130gsm), embossing and die cutting. Varnishes include: dispersion, print, iriodin, scented & acqueous.
Converting	Pre-creasing before folding is recommended from 135 um thickness onwards. Crease channel width should be a minimum of 2x paper thickness plus thickness creasing knife (plus or minus 0,2 mm). Crease channel depth should ± 1.5x paper thickness. Creasing knife 2 point (0,71 mm) (this and that depending on your crease/fold device).
Assisted drying methods	When using infra red drying methods, stack temperature should not exceed 37°C. Suitable for UV cure inks.

Mill certifications

EMAS — The environmental performance is monitored and continuously improved according to the requirements of Eco-Management and Audit Scheme (EMAS).

ISO 9001 — The quality of the manufacturing is managed according to the requirements of ISO 9001.

ISO 14001 — The environmental aspects of the mill are managed according to the requirements of ISO 14001.

ISO 50001 — The energy consumed and the emissions generated by the mill are managed according to ISO 50001.

FSC® CoC — All fibers from sustainability and controlled sources. FSC® may have limited availability, please check with your local sales office.

PEFC™ CoC — All fibers from sustainability and controlled sources. PEFC™ may have limited availability, please check with your local sales office.

OHSAS 18001 — The health and safety of the mill employees are managed according to the requirements of OHSAS 18001.

Product certifications

PEFC™ credit material — All fibers from sustainable and controlled sources. PEFC™ may have limited availability, please check with your local sales office.

FSC® Mix — All fibers from sustainable and controlled sources. FSC® may have limited availability, please check with your local sales office.

ECF — Pulp is bleached without the use of chlorine (ECF).

TOY-SAFETY — Meets the purity requirements (heavy metal content) of EN 71-3 'Toy Safety', part 3 'Migration of certain elements' and part 9 'Organic chemical compounds'.

PROFILE — The key environmental parameters of the product are presented at the Paper Profile.

ARCHIVING — Archivability tested according to the requirements of DIN 6738, Lifespan class - LDK 24-85.

Only approved chemicals used, in compliance with BfR recommendation XXXVI 'Paper and Board for Food Contact'. Magno volume is suitable for direct contact with dry and fatty foodstuff.

The product is awarded an EU Ecolabel and inspected for Nordic Ecolabelled printing. Packaging of product complies with packaging and waste directive 94/62/EC (article 11). Magno volume is fully recyclable.

Target production values
Regional variations in specifications may apply; please contact your local Sales office for more information.
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