



## Magno Volume Product Information



Magno Volume is a coated fine paper available in sheets and reels for offset printing

### Technical specifications

Parameter	Standard	Unit														
Basis weight	ISO 536	g/m <sup>2</sup>	80	90	100	115	130	135	150	170	200	250	300	350	400	450
Brightness (illuminant D65/10°)	ISO 2470-2	%	100	100	100	100	100	100	100	100	100	99	99	101	101	101
CIE whiteness (D65/10°)	ISO 11475	%	124	124	125	126	126	126	126	126	126	127	127	128	128	128
Opacity	ISO 2471	%	92	94	95	96	97	97	98	98	98,5	99	99	100	100	100
Gloss TAPPI 75°	ISO 8254-1	%	14	14	14	14	14	14	14	14	14	20	20	22	22	22
Roughness PPS	ISO 8791-4	µm	4,0	4,0	4,0	4,0	4,0	4,0	4,0	4,0	4,0	2,0	2,0	1,8	1,8	1,8
Thickness	ISO 534	µm	86	97	108	124	140	146	162	184	216	258	309	368	420	477
Bulk	ISO 534	cm <sup>3</sup> /g	1,08	1,08	1,08	1,08	1,08	1,08	1,08	1,08	1,08	1,03	1,03	1,05	1,05	1,06
Relative humidity (23°C)	TAPPI 502	%	50	50	50	50	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 (>130 gsm), embossing and die cutting. Varnishes include: Varnishes include: dispersion, print, UV, spot, relief, iriodin, scented & aqueous.
Converting	Pre-creasing before folding is recommended from 135 µm 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 Certification

- 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®** The mills are both FSC and PEFC CoC certified, and all wood raw material originates from sustainable and controlled sources.
- PEFC** The mills are both FSC and PEFC CoC certified, and all wood raw material originates from sustainable and controlled sources.
- ISO 45001** The health and safety of the mill employees are managed according to the requirements of ISO 45001.

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. Updated: 22.03.2022.

### Product Certification

- PEFC** PEFC certification on request/subject to availability.
- FSC®** FSC certification on request/subject to availability.
- BfR** 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.
- EN 71-3** 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'.
- Paper Profile** The key environmental parameters of the product are presented at the Paper Profile.
- DIN 6738** Archivability tested according to the requirements of DIN 6738, Lifespan class - LDK 24-85.
- ECF** Pulp is bleached without the use of chlorine (ECF).
- Dry toner** Dry toner: Suitable for dry toner.