LuxoSatin®

PAPYRUS

Fine paper, woodfree, white, coated, silky matt finish

Basis weight	ISO 536	g/m²	90	100	115	130	150	170	200	250	300	350
Thickness / Caliper	ISO 534	µm	78	83	97	111	131	156	185	231	286	345
Specific Volume / Bulk	ISO 534	cm³/g	0,85	0,85	0,85	0,85	0,87	0,94	0,94	0,94	0,98	0,99
CIE Whiteness	ISO 11475	%	127	127	127	127	127	127	127	127	127	127
ISO Brightness D65	ISO 2470-2	%	100	100	100	100	100	100	100	100	100	100
Gloss (Hunter/ Tappi 75°)	ISO 8254-1	%	26	26	26	26	26	26	26	26	26	26
Opacity	ISO 2471	%	91,5	92,5	95,0	96,0	97,5	98,0	99,0	99,5	99,8	99,9
Smoothness (PPS)	ISO 8791-4	µm	2	2	2	2	2	2	2	2	2	2

All properties are according to mill measurements that may be subject to fluctuations which are customary within the industry.

Applications

- Children books, Schoolbooks, Travel guides, Manuals, Magazines, Brochures, Annual reports, Environmental reports, Flyers, Newsletters, Cookbooks, Photo books, Art books, Catalogues, Direct mails, Pricelists, Desktop calendars, Posters , Tickets

Technical product certificates and information

- Permanent paper (DIN/ISO 9706)
- Toy Safety: Migration of elements (DIN EN 71/3)
- Free from heavy metals according to EU packaging directive (94/62/EC)
- Food safety (BfR recommendation XXXVI)

Environmental product certificates and information

- FSC®
- European Ecolabel (EU Flower)
- Elemental chlorine free (ECF)

FSC www.fsc.org The mark of responsible forestry FSC® C004423

EU Ecolabel www.ecolabel.eu

Supplier certificates

- FSC®
- PEFC™
- Environmental Management System (ISO 14001)
- Quality Management System (ISO 9001)
- Energy management (ISO 50001)
- Occupational Health and Safety Management System (OHSAS 18001)
- Eco-Management and Audit Scheme (EMAS)

Technical capability

Printing technologies:	Absorbent substrate that is suitable for offset, UV-offset and screen printing. A sufficient quantity of printing powder with an appropriate particle size has to be considered.
Screen ruling:	All conventional screen rulings up to 80 l/cm (200 lpi) are applicable. When using other screen technologies, tests are recommended before print production.
Printing inks:	Suitable for inks that dry by absorption and oxidation (Offset), for UV-inks and screen printing inks.
Ink drying:	The drying process of the conventional offset ink is entirely completed within 24 to 48 hours, depending on the thickness of the ink film.
Printing pressure:	Standard pressure
Finishing:	All types of varnishing such as overprint-, water-based and UV varnishes, as well as cold foil transfer, hot foil stamping, embossing and die-cutting are possible.
Hot foil stamping:	suitable
Laminating:	suitable
Creasing & folding:	For the substances of 150 g/m² and higher, the folding process has to be prepared via creasing. In order to obtain the best possible folding results, the common standard values for creasing have to be considered.
Handling information:	The flatness of this paper is guaranteed at a relative humidity between 45 and 55% at a temperature between 20 and 23°C. It is recommended that the printing room has comparable climatic conditions. The paper should be kept as long as possible in the mill-wrapper before use. Extreme changes in temperature and humidity should be avoided.

For all printing and processing techniques, the recommendations of the manufacturers of machines, inks, adhesives, laminating and embossing foils, etc. are to be followed. For damages caused by faulty implementation of printing and processing, Papyrus cannot accept any liability.