

Uncoated paper, woodfree, bright white, matt finish, for offset, HPI and professional dry-toner printing systems

Basis weight	ISO 536	g/m ²	80	90	100	120	160	200	250	300	340
Thickness / Caliper	ISO 534	µm	95	105	118	140	185	225	285	320	355
Specific Volume / Bulk	ISO 534	cm ³ /g	1,19	1,17	1,18	1,17	1,16	1,13	1,14	1,07	1,04
CIE Whiteness	ISO 11475	%	159,5	159,5	159,5	159,5	159,5	159,5	159,5	159,5	159,5
ISO Brightness D65	ISO 2470-2	%	110	110	110	110	110	110	110	110	110
Opacity	ISO 2471	%	90	92	94	95	98	99	99	99	99
Smoothness (Bekk)	ISO 5627	sec.	40	40	40	40	40	40	40	40	35

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

Applications

- Brochures, Environmental reports, Magazines, Business documents, Direct mails, Manuals, Notebooks, Writing pads, Newsletters, Catalogues, Children books, Pricelists, Cookbooks, Reading books, Registers, Schoolbooks, Posters, Package inserts, Timetables, Travel guides, Tickets, Warranty cards

Technical product certificates and information

- Free from heavy metals according to EU packaging directive (94/62/EC)

Environmental product certificates and information

- FSC®
- Elemental chlorine free (ECF)



Information for digital printing

- Certified for HP Indigo
- Recommended for professional dry-toner systems

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)

Technical capability

Printing technologies:	Recommended for professional drytoner-printing systems and for HP-Indigo printing systems, please note individual instructions of the printing machine supplier. Tests are recommended before print production. Also suitable for conventional offset printing.
Screen ruling:	All conventional screen rulings up to 60 l/cm (150 lpi) are applicable. When using other screen technologies, tests are recommended before print production.
Printing inks:	Suitable for inks drying by absorption and oxidation (Offset) and UV-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. Slightly increased pressure on bulky papers and usage of soft rubber blankets is recommended.
Finishing:	Varnishing with overprint and water-based varnishes, as well as hot foil stamping, embossing and die-cutting are applicable. A finishing with UV-varnish has to be checked in advance and could require a pre-coating with a primer.
Hot foil stamping:	suitable
Creasing & folding:	In order to obtain the best possible folding results, the folding process has to be prepared via creasing, while 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.