

Premium offset paper, woodfree, natural white, matt finish, OBA-free, for offset and professional dry-toner printing systems, matching envelopes

Basis Weight	ISO 536	g/m ²	80	90	100	120	160	200	250	300
Thickness / Caliper	ISO 534	µm	106	117	128	153	204	245	307	388
Specific Volume / Bulk	ISO 534	cm ³ /g	1,33	1,30	1,28	1,28	1,28	1,23	1,23	1,29
D65 Brightness	ISO 2470-2	%	89,50	89,50	89,50	89,50	89,50	89,50	89,50	89,50
Opacity	ISO 2471	%	85,5	87,0	88,5	91,0	94,0	95,5	96,5	97,5
Moisture (absolute)	ISO 287	%	5	5	5	5,2	5,2	5,2	5,2	5,2
Smoothness (Bendtsen)	ISO 8791-2	ml/min	200	200	200	200	200	200	180	180

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

- Permanent paper (DIN/ISO 9706)
- Aging resistance (DIN 6738)
- Food safety (EC 1935/2004)
- Free from heavy metals according to EU packaging directive (94/62/EC)

Environmental product certificates and information

- FSC[®]
- European Ecolabel (EU Flower)
- Totally chlorine free (TCF)



Information for digital printing

- Recommended for professional dry-toner systems

Supplier certificates

- FSC[®]
- PEFC[™]
- Environmental Management System (ISO 14001)
- Quality Management System (ISO 9001)
- Occupational Health and Safety Management System (OHSAS 18001)

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 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.

Can be subject to printing errors and modifications