

Polyart® Laser



Synthetic substrate, polyester-based, white, coated, matt finish, for dry-toner printing systems, high tear-resistance, water-resistant

Basis weight	ISO 536	g/m ²	190	261	368
Thickness / Caliper	ISO 534	µm	145	195	270
Density	ISO 534	g/cm ³	1,31	1,34	1,36
ISO Whiteness	ISO 2470-2	%	96	96	96
Opacity	ISO 2471	%	96	98	99
Tensile strength MD	ISO 527-3	N/mm ²	118	123	118
Tensile strength CD	ISO 527-3	N/mm ²	127	132	127

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

Applications

- Manuals, Maps, Membership cards, Signs, Tags, Wobblers, Floor displays, Desktop displays, Banners, Film labels, Seals

Information for digital printing

- Recommended for professional dry-toner systems

Supplier certificates

- Environmental Management System (ISO 14001)
- Quality Management System (ISO 9001)

Technical capability

Printing technologies:	Recommended for professional drytoner-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 on uncoated papers and up to 80 l/cm (200 lpi) on coated papers. When using other screen ruling technologies, tests are recommended before print production.
Printing inks:	Suitable are purely oxidative drying inks (Offset), UV-inks and screen printing inks. Take care of an optimum ink-water balance.
Ink drying:	The drying process of oxidative drying offset ink is entirely completed within 24 to 48 hours, depending on the thickness of the ink film.
Printing pressure:	Standard pressure. An increased pressure has to be avoided.
Finishing:	Varnishing with water-based varnishes, as well as die-cutting is applicable.
UV resistance:	UV-resistance of 6 months can we assured
Handling information:	The flatness of this product 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.