

DATA SHEET 20450.165.31200

Reprojet P HDM

Nanoporous coated, clear transparent polyester film for the production of positive or negative film separations that can then be contact exposed to silk screens, pad or flexo, pad and thick film screen printing. The HDM version has a matt, special structured surface for optimal contact and fast vacuum properties. The coating offers even higher ink absorption and faster drying times and an even greater UV density range with the optimisation of print settings. Images dry super fast due to a highly porous coating ensuring print speeds are further optimised. The film meets the highest demands with regard to image registration accuracy, dimensional stability.

Printing Systems



Rolls

Art.Number	Width (mm)	Length (m)	Total Thickness (mm)
20450.165.34200	431	30	0.165
20450.165.36100	610	30	0.165
20450.165.31200	1118	30	0.165

Technical data

Characteristic

- Wide range of linearization options
- Good wet smear resistance
- Good mechanical properties, handling
- Good compatibility with screen and polymer emulsion surfaces
- High dimensional stability and accuracy of registration
- High visual contrast
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- High Level Ink Absorption
- High density range: DmaxUV: 3.2 up to > 4 (depending on RIP settings, ink system and measured spectral characteristics of the densitometer); Dmin UV: approx. 0.06 to 0.12 (depending on the measurement characteristics of the densitometer)

- Optimal line and point sharpness
- Dot reproduction = up to 72 L/cm (180 lpi) for flexo printing application (depending on the printer type)
- Coated on reverse side for good slip properties and fast vacuum in the exposure device.
- Instant dry
- Transparent, slightly matt, nanoporous coating

Finish

- Clear, matt structured

Specifications

Coating Printsideside	Ink Jet
Coating Backside	Special gliding surface
Width (inch)	44.02
Width (mm)	1118
Printside	Light matt, structured finish
Length (ft)	98.43
Length (m)	30
Nominal thickness (mil)	5
Nominal thickness (mm)	0.125
Backside	Special gliding surface
Total Thickness (mil)	6.5
Total Thickness (mm)	0.165
Base Material	Clear-transparent polyester film
Packing quantity	1

Compatibility

- Suitable for most Ink Jet plotters using dye- or pigmented inks
- Prerequisite for a high ink coverage (copy density) are printers, which allow settings for high resolution and high ink loads. These various settings are often not available with the usual driver settings and can often be made for screen use only in combination with special RIP tools. Due to this reason, desktop printers (A4, A3) also often do not offer the desired coverage.
- Not compatible with oil and solvent based systems.

Handling

- For printers with two black inks, we recommend using Photo Black / Glossy Black.
- Optimal between 15-30°C and 40-60% r.h.
- A preconditioning period of 24 hours within the printing environment is recommended.
- Dye-based image areas (inkjet-printing) show a typical absorption spectrum. Therefore a correct density measurement is

possible only with an ultraviolet densitometer (eg. X-Rite 369).

- For demanding halftone and separation work, we recommend special RIP-Software tools such as COLORGATE-Filmgate, WASATCH, PERFECTPROOF etc in combination with LF printers like EPSON Stylus pro (Ultrachrome Photoblack/K3-inks), HP Z-series & CANON iPF-series.
- For optimal half-tone reproductions it is essential to make settings with a correct linearization process.
- To prevent sticking to the screen emulsion during exposure we suggest lightly dusting with powder.
- Avoid fingerprints on printing side.
- Further information on this product can be found in a separate handling instruction
- If the strict temperature & humidity printing environment conditions are not strictly adhered to then you can have a negative effect on the flatness performance of the Reprojet, which can lead to strong curl issues. In this case, we recommend advancing the material by approx. 10-15 cm before printing, in order to avoid disturbances in the print image due to possible contact and damage with the print head.

Storage

- Shelf life: 1 year after delivery
- Store in the closed original packaging in a cool and dry place at a room temperature of 15 - 25°C and at a humidity of 30 - 60%.

Product liability clause

The foregoing information and any consulting provided by us in terms of application engineering shall be given to our best knowledge, but shall not be considered binding information neither with regard to any third party industrial property rights. Any such consulting shall not relieve you from your own review of our current consulting information as to their suitability for the intended procedures and applications. It is the users responsibility to determine the suitability for his/her own use and application and test through the complete production process to ensure the product is fully suitable for the intended use, since conditions of use are beyond our control. The sale of our products shall be subject to our current General Terms and Conditions. We reserve the right to make changes that serve to improve the product.