

DATA SHEET 20495.165.39200

Reprojet P HD HP/RS

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 plates. The HD version 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. HP/RS is a version with removable white plastic strips for Hewlett Packard plotters equipped with optical sensors.

Printing Systems



Rolls

| Art.Number | Width (mm) | Length (m) | Total Thickness (mm) |
|-----------------|------------|------------|----------------------|
| 20495.165.39200 | 914 | 30 | 0.165 |

Technical data

Characteristic



- Offers improved water resistance when compatible with waterbased pigment ink
- Wide range of linearization options
- For machines equipped with optical sensors
- Suitable for dye inks
- Suitable for piezo Ink Jet printer
- Suitable for pigment inks which offers improved light stability
- Suitable for thermal Ink Jet printer
- 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 48 L/cm for screen printing application (depending on the combination system, higher screen rulings are possible)
- Coated on reverse side for good slip properties and fast vacuum in the exposure device.
- Very fast ink drying
- Instant dry
- Transparent, slightly matt, nanoporous coating

Finish

- Clear glossy

Specifications

| | |
|-------------------------|----------------------------------|
| Coating Printsides | Ink Jet |
| Coating Backside | Special gliding surface |
| Width (inch) | 36 |
| Width (mm) | 914 |
| 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

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

Storage

- Cut sheet product has the print side facing downwards in the box.
- Store 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.