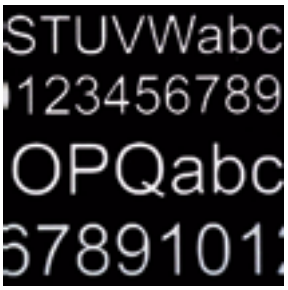
folex®

REPROJET

Production of reprographic master films

the fine art of coating

DIGITAL
PRINTING



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PICTOGRAM OVERVIEW

PIEZO — Suitable for Piezo printers

THERMAL — Suitable for Thermal printers

DYE — Suitable for Dye ink

PIGMENT — Suitable for Pigment ink

ECO SOLVENT — Suitable for Eco/Solvent ink

INSTANT DRY — Instant dry coating

QUICK DRY — Fast dry coating

Sensor — Removable stripe for printer sensor detection

Offers improved water resistance when compatible with waterbased Pigment or Eco/Solvent ink

ABOUT FOLEX

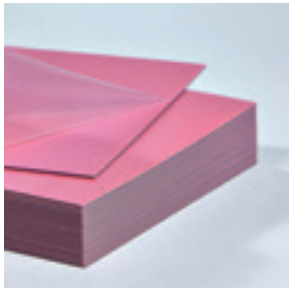
HIGH EXPERTISE IN COATING

The Folex Group specialises in the finishing and coating of films and specialities and has production companies based in Switzerland and Germany that offer high-quality products and tailor made services for a wide variety of markets.

Folex dynamically adapts its portfolio to changing customer needs and technical developments. Based on its core competence, coating, Folex constantly works on optimising existing products to develop new potential applications for different technologies. Today Folex offers solutions for many sectors, from the printing industry or digital and large-format printing, the office and home sector, all the way to primary products for the electronics industry. In addition to which, Folex has also developed extensive skills in membrane separation technology.

As a family-owned company with a long-standing tradition, we feel committed to a clearly defined set of values based on integrity, dependability, quality, a love of innovation and awareness of our responsibilities. We have been working with ISO 9001 for decades. As our customer, you can also benefit directly from this competence and our innovation. For instance, we can offer you consulting services during the development phase or develop new solutions on your behalf.

PRINTING INDUSTRY



DIGITAL PRINTING

CUSTOM COATING

SPECIALITIES

ELECTRONICS INDUSTRY

REPROJET P HD

APPLICATION

Positive and negative reprographic prepress film

Reprojet P HD has been specifically developed for High Dynamic, High Density and High Definition, supreme, printable performance. The film is used for the production of line, halftone and colour separations. It has been optimised to give good results with waterbased pigment and dye Ink Jet printers. The special enhanced nanoporous coating offers 25 % higher ink absorption and 30 % faster drying times when compared with market standard, available films. The UV density range can be increased by 25 % with the optimisation of print settings. Image line and dot sharpness is tightly controlled and guaranteed. Finally the film exhibits good mechanical handling resistance and its dimensional stability ensures perfect registration.

PERFORMANCE BENEFITS

- High ink absorption
- Ultra fast ink drying
- Faster print speeds
- High UV density Range
- Optimal Line and dot sharpness
- Wider choice of printer linearization options
- Enhanced mechanical handling properties
- Greater performance with a wider choice of screen emulsions
- Suited for the screen, pad and flexo process
- Low purchase and operating costs
- Fast in-house workflow solution
- Darkroom conditions not required
- No messy waste chemicals
- Available in rolls and sheets

SPECIFICATION

- Clear transparent polyester film
- Thickness: 0.125 mm (Polyester Substrate) 0.165 mm (Coated Film)
- Print side: Semi-matt coating
- Back side: Anti-static slip coating for good slip properties and fast vacuum in the exposure device
- Super Fast ink drying
- High UV-Density: DmaxUV >4
  (as a function of RIP settings, ink system as well as spectral sensitivity curves of the densitometers)
  DminUV ca. 0.09 to 0.12 (depends on densitometer type)
- Dot Reproduction: up to ca. 48 L/cm (depends on RIP and printer)
- HP/RS: white plastic strips applied to the back side (removable after printing)
- Print mode recommended: high resolution setting

PIGMENT DYE

Good performance with a wide variety of printers that use water based pigment or dye ink such as Epson, Canon, HP, Roland etc. Not suitable with Oil, Solvent or UV Curing inks.

HANDLING

- Between 15 – 30 °C and 40 – 60 % r.h.
- A preconditioning period of 24 hours within the printing environment is recommended.
- Avoid fingerprints on printing side.

SUPPLY FORMATS

- Reprojet P HD

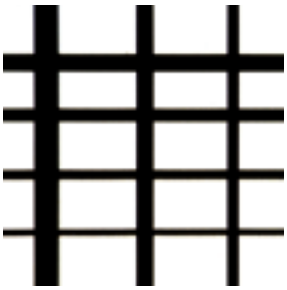
Clear, glossy Polyester	0.165 mm		431 mm x 30 m	20490.165.34200
	0.165 mm		610 mm x 30 m	20490.165.36100
	0.165 mm		914 mm x 30 m	20490.165.39200
	0.165 mm		1067 mm x 30 m	20490.165.30700
	0.165 mm		1118 mm x 30 m	20490.165.31200
	0.165 mm		1270 mm x 30 m	20490.165.32200
	0.165 mm		1370 mm x 30 m	20490.165.33500
	0.165 mm		1524 mm x 30 m	20490.165.35200
	0.165 mm	100	A4	20490.165.44000
	0.165 mm	100	A3	20490.165.43000
	0.165 mm	50	A3 +	20490.165.43800

- Reprojet P HD HP/RS

Clear, glossy Polyester	0.165 mm		914 mm x 30 m	20495.165.39200

Download from our website www.folex.com the „Reprojet P HD Handling Guide"

DIGITAL PRINTING



REPROJET P HDM

APPLICATION

Positive and negative reprographic prepress film

Nanoporous coated, clear transparent polyester film for the production of positive or negative film separations that can then be contact exposed to 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 high ink absorption and fast 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.

PERFORMANCE BENEFITS

- High ink absorption
- Ultra fast ink drying
- Faster print speeds
- High UV density Range
- Optimal line and dot sharpness
- Wider choice of printer linearization options
- Enhanced mechanical handling properties
- Greater performance with a wider choice of flexopolymer and screen emulsions
- Perfectly suited for the flexo, pad and thick film screen printing
- Low purchase and operating costs
- Fast in-house workflow solution
- Darkroom conditions not required
- No messy waste chemicals
- Variety of roll widths available

SPECIFICATION

- Clear transparent polyester film
- Thickness: 0.125 mm (Polyester Substrate) 0.165 mm (Coated Film)
- Print side: Structured matt finish
- Back side: Anti-static slip coating for good slip properties and fast vacuum in the exposure device
- Super Fast ink drying
- High UV-Density: DmaxUV >4
  (as a function of RIP settings, ink system as well as spectral sensitivity curves of the densitometers)
  DminUV ca. 0.09 to 0.12 (depends on densitometer type)
- Dot Reproduction: up to 72 L/cm (180 lpi) for flexo printing application (depending on the printer type)
- Print mode recommended: high resolution setting

Good performance with a wide variety of printers that use water based pigment or dye ink such as Epson, Canon, HP, Roland etc. Not suitable with Oil, Solvent or UV Curing inks.

HANDLING

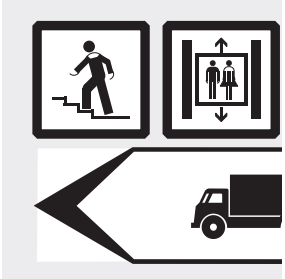
- Between 15 – 30 °C and 40 – 60 % r.h.
- A preconditioning period of 24 hours within the printing environment is recommended.
- Avoid fingerprints on printing side.

SUPPLY FORMATS

- Reprojet P HDM

Clear, matt structured Polyester	0.165 mm	431 mm x 30 m	20450.165.34200
	0.165 mm	610 mm x 30 m	20450.165.36100
	0.165 mm	914 mm x 30 m	20450.165.39200
	0.165 mm	1118 mm x 30 m	20450.165.31200
	0.165 mm	1270 mm x 30 m	20450.165.32200
	0.165 mm	1370 mm x 30 m	20450.165.33500
	0.165 mm	1524 mm x 30 m	20450.165.35200

DIGITAL PRINTING



REPROJET ES CL

APPLICATION

Positive and negative reprographic prepress film

Reprojet ES CL is an easy way of creating screen film separations with Eco/Solvent Ink Jet Printers. The film is especially suitable for the production of full tone separations for line and sign applications. Depending on printer and software (RIP) it can also be used for the production of reprographic halftone film separations. The special enhanced, clear transparent coating offers high and fast ink absorption. The line ink coverage density can be increased with the optimisation of print settings. Finally the film exhibits good mechanical handling resistance and its dimensional stability ensures perfect registration.

PERFORMANCE BENEFITS

- High ink absorption
- Fast ink drying
- High UV density range
- Optimal line and dot sharpness
- Good visual appearance
- Perfectly suited for the screen process
- Great performance with a wider choice of screen emulsions
- Also suited for the pad and flexo process
- Low purchase and operating costs
- Quick In-house solution (Work Flow)
- Darkroom conditions not required
- No messy waste chemicals
- Variety of roll widths available

SPECIFICATION

- Clear transparent polyester film
- Thickness: 0.125 mm (polyester substrate), 0.155mm (coated film)
- Print side: light matt structured coating
- Coated for good slip properties and fast vacuum in the exposure device
- Fast ink drying
- High UV density: DmaxUV >4
  (as a function of RIP settings, ink system as well as spectral sensitivity curves of the densitometers)
- DminUV ca. 0.05 (depends on densitometer)
- High line ink coverage, good line quality/sharpness
- Dot reproduction: depends on RIP and printer
- Print mode recommended: high resolution setting
- Monochrome printing only with black ink (K-ink mode)
- For simple application printing directly from graphical software is possible.
- When using print mode “double strike print” on Eco/Solvent printers ink density coverage is excellent.

ECO SOLVENT

Good performance with a wide variety of Ink Jet printers that use Eco/Solvent Inks such as Roland, Mimaki, Mutoh, Epson, etc. Not suitable with Solvent, water based Inks, Latex and UV curing Inks.

HANDLING

- Optimal between 15 – 30 °C and 40 – 60 % r.h.
- A preconditioning period of 24 hours within the printing environment is recommended.
- Avoid fingerprints on printing side.

SUPPLY FORMATS

- Reprojet ES CL

Clear, glossy Polyester	0.155 mm	500 mm x 30 m	20790.155.34501
	0.155 mm	610 mm x 30 m	20790.155.36100
	0.155 mm	914 mm x 30 m	20790.155.39200
	0.155 mm	1067 mm x 30 m	20790.155.30700
	0.155 mm	1270 mm x 30 m	20790.155.32200

DIGITAL PRINTING

RPJ-LT

APPLICATION

Positive and negative reprographic prepress film

RPJ-LT is a clear, transparent, nanoporous Ink Jet repro film for quick and economic CTF solutions. The film meets high standards for the production of film separations for screen, flexo and pad printing. It has been optimised to give good results with waterbased pigment and dye Ink Jet printers.

PERFORMANCE BENEFITS

- High ink absorption
- Fast ink drying
- High ink coverage
- Wide range of linearization options
- Optimal line and dot sharpness
- Good mechanical properties
- Good performance with a wider choice of screen emulsions
- Suited for the screen, pad and flexo process
- Low purchase and operating costs
- Fast in-house workflow solution
- Darkroom conditions not required
- No messy waste chemicals
- Variety of roll widths available

SPECIFICATION

- Clear transparent polyester film
- Thickness: 0.100 mm (Polyester Substrate) 0.130 mm (Coated Film)
- Print side: Structured matt finish
- Back side: Slip coating for good slip properties and fast vacuum in the exposure device
- Super Fast ink drying
- High UV-Density: DmaxUV >4
  (as a function of RIP settings, ink system as well as spectral sensitivity curves of the densitometers)
  DminUV ca. 0.09 to 0.12 (depends on densitometer type)
- Dot Reproduction: up to 60 L/cm (180 lpi) for flexo printing application (depending on the printer type)
- Print mode recommended: high resolution setting

Good performance with a wide variety of printers that use water based pigment or dye ink such as Epson, Canon, HP, Roland etc. Not suitable with Oil, Solvent or UV Curing inks.

HANDLING

- Cool and dry, optimal between 15 – 25 °C / 30 – 60 % r.h.
- A preconditioning period of 24 hours within the printing environment is recommended.
- Avoid fingerprints on printing side.

SUPPLY FORMATS

- RPJ-LT

Clear, glossy Polyester	0.130 mm	431 mm x 30 m	20440.130.34200
	0.130 mm	610 mm x 30 m	20440.130.36100
	0.130 mm	914 mm x 30 m	20440.130.39200
	0.130 mm	1067 mm x 30 m	20440.130.30700
	0.130 mm	1118 mm x 30 m	20440.130.31200
	0.130 mm	1270 mm x 30 m	20440.130.32200
	0.130 mm	1370 mm x 30 m	20440.130.33500
	0.130 mm	1524 mm x 30 m	20440.130.35200

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