

DuPont™ Cyrel® Round Thin

The Endless Digital Photopolymer Sleeve

Applications

- Flexible packaging
- Labels
- Aluminium Foils
- Shrink foils
- Folding boxes
- Gift wrapping paper



Cyrel® Round Thin is a photopolymer sleeve that is ideal for very high quality printing. Combined with a compressible adapter Cyrel® Round Thin creates the perfect compromise between low dot gain and solid coverage.

Product Properties

- Endless printing form
- High resolution for both line and halftone printing
- Excellent ink transfer for combinations of line and halftone printing
- Outstanding thickness uniformity
- High productivity
- Glass fibre basic sleeve with stable dimensions
- Excellent ozone resistance
- Excellent register accuracy

Printing Ink Compatibility

Cyrel® Round Thin is suitable for use with both alcohol and waterbased flexographic printing inks and for UV curing inks.

Sleeve Production

- No back exposure is required
- Imaging is carried out digitally by ablating the LAMS mask on a Cyrel® Round sleeve using a suitable laser system
- The main exposure forms the image
- The unexposed photopolymer is removed from the non-image areas using a washing process to create a relief image
- The washing, drying and finishing is done by an automated process in the Cyrel® Round Inliner

Storage of Raw Material

Unexposed Cyrel® Round sleeves can be stored in the special transport box in a temperature controlled room for up to six months. Temperatures between 4°C and 32°C are recommended. The sleeve has perfect protection for transport and storage.

Handling Raw Material

Prior to main exposure Cyrel® Round sleeves should be handled in an environment with low exposure to UV light. We recommend to apply filters on UV emitting lamps and windows.

Storage of Processed Sleeves

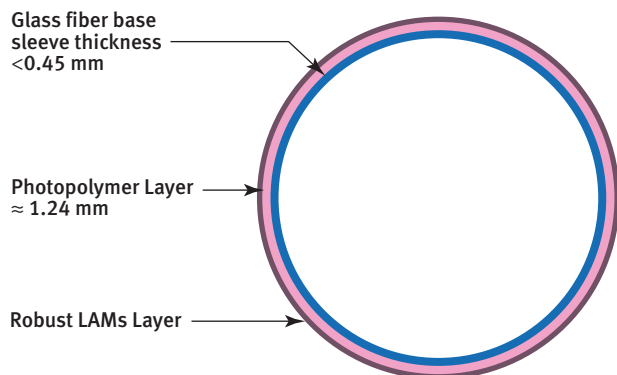
Printed sleeves should be cleaned carefully with a suitable solvent. The cleaning agent should be dried off before the sleeve is put on stock in the carton box. The box will protect the sleeve from light and mechanical damage.

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DuPont™ Cyrel® Round Thin: Raw Continuous Polymer Sleeves for Digital Imaging

Requires compressible adapters, e.g. Rotec Bridge Light H/C or Polywest Polybridge Soft.



General information	Details
Min. circumference	280 mm
Max. circumference	820 mm, larger repeats on request
Max. length	1,750 mm
Structure	Glass fibre base sleeve < 0,45 mm Photopolymer ≈ 1,24 mm
Final hardness	75 Sh A
Internal diameter	Stork System
Image reproduction	1 – 98%
Minimum positive line	0.075 mm
Isolated dot	0.125 mm in diameter
Relief depth	0.7 mm + / -0.1 mm

DuPont Industrial Solutions brings together leading technologies and products for the printing and package printing industries.

DuPont™ Cyrel® is one of the world's leading flexographic platemaking systems in digital and conventional formats, including DuPont™ Cyrel® brand photopolymer plates (analog and digital), Cyrel® platemaking equipment, Cyrel® round sleeves, Cyrel® plate mounting systems and the revolutionary Cyrel® FAST thermal system.



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For more information on DuPont™ Cyrel® or other DuPont products, please visit our website.

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