

DuPont™ Cyrel® Round Classic

The Endless Digital Photopolymer Sleeve

Applications

- Tissue printing
- Gift wrapping paper
- Wallpaper
- Folding boxes
- Flexible packaging



Cyrel® Round Classic is a photopolymer sleeve that is ideal for very high quality printing, particularly on critical materials. In addition Cyrel® Round Classic can also be used successfully for halftone printing.

Product Properties

- Endless printing form
- High resolution for both line and halftone printing
- Excellent ink transfer for outstanding area printing
- Outstanding thickness uniformity
- High productivity
- Stable base sleeve
- Excellent ozone resistance
- Excellent register accuracy

Printing Ink and Solvent Resistance

Cyrel® Round Classic 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

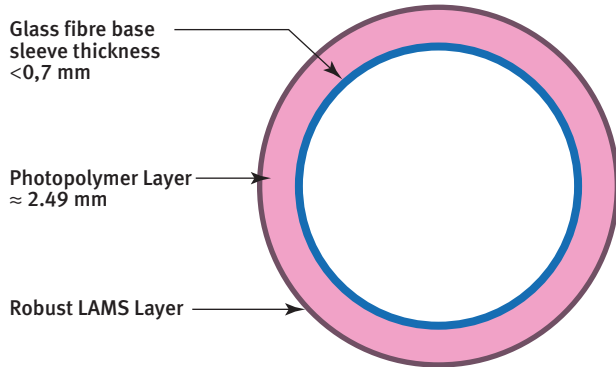
Printed sleeves should be cleaned carefully with a suitable solvent. The cleaning agent should be dried off before the sleeve is put on stock in the carton box. The box will protect the sleeve from light and mechanical damage.

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DuPont™ Cyrel® Round Classic: 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	290 mm
Max. circumference	960 mm, larger repeats on request
Max. length	1,750 mm
Structure	Glass fibre base sleeve <math>< 0,7 \text{ mm}</math> Photopolymer $\approx 2,54 \text{ mm}</math>$
Final hardness	65 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	Approx. 0,7 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.



[cyrel.eu](https://www.cyrel.eu)

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

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