

DuPont™ Cyrel® round Thin

THE SOLVENT PROCESS DIGITAL PHOTOPOLYMER SLEEVE

DuPont Packaging Graphics

Cyrel® round digital Thin is a solvent process photopolymer sleeve for use in the Cyrel® ITR In-Liner sleeve processing system or other solvent washout sleeve processors.

The Cyrel® round digital Thin sleeve is the robust sleeve designed for use on integral cylinder presses or cantilever presses with a compressible adapter. The sleeve thickness is .085 inch.

The rugged yet thin base and robust polymer makes the Cyrel® round digital Thin ideal for your highest quality flexo needs. The Thin sleeve is well suited to the highest screen rulings and your finest linework, and text. When combined with a compressible adapter the Cyrel® round sleeve ensures excellent solid ink coverage with low dot gain.

Applications

- Flexible packaging
- Labels
- Aluminium Foils
- Shrink Foils
- Folding boxes



DuPont Cyrel® round Thin

Product properties

- Cyrel® FAST thermal process Continuous-print photopolymer sleeve
- High resolution for superior linework, solids and halftone printing
- Excellent ink transfer for outstanding solids
- Superior thickness uniformity
- Thin yet stable base sleeve
- Excellent ozone resistance
- Excellent register accuracy

Printing ink compatibility

Cyrel® round Classic sleeves are suitable for use with alcohol and water-based flexographic printing inks as well as most UV-curing inks.

Processing Steps

- No back exposure is required
- Digital imaging by ablation of the LAMS mask on the Cyrel® FAST round sleeve using a suitable digital imaging device
- Image formation through UV main exposure
- The unexposed photopolymer is removed from the unimaged areas using a solvent washout development process to create a relief image.
- Finishing and post exposure accomplished with UV-C and UV-A light

DuPont Cyrel® Thin
Continuous photopolymer sleeve for digital imaging

Storage of raw sleeves

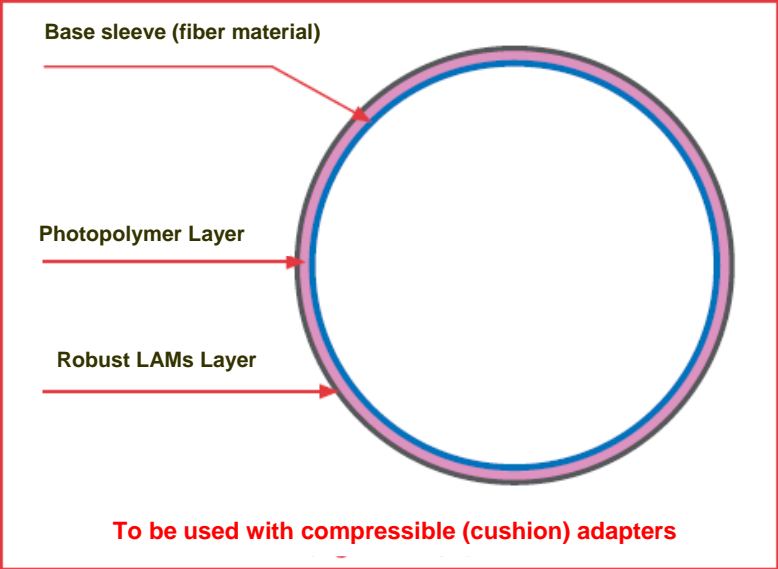
Unexposed Cyrel® round sleeves can be stored in the special transport box in a temperature controlled room for up to six months. Temperatures between 40°F and 90°F are recommended. The transport box provides extra protection for transport and storage.

Handling of raw sleeves

Prior to main exposure, Cyrel® round Sleeves should be protected from UV-light. We recommend to use filtered lamps and UV-filters on windows.

Storage of processed sleeves

Printed sleeves should be cleaned carefully with a suitable solvent before being placed in storage. Storing them in the special transport box will protect the sleeves from direct sunlight.



General information	Details
Min. circumference	13 inches
Max. circumference	32.25 inches
Max. length	12 – 57 inches
Structure	Basic sleeve ~ .015 inch Photopolymer ~ .070 inch
Final hardness	75 Sh A
Internal diameter	In ¼ pitch increments
Image reproduction	1 – 98% at 175 lpi
Minimum positive line	0.003 inch
Isolated dot	0.006 inches in diameter

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To learn more, visit www.cyrel.com/na or contact your Cyrel® specialist



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“Advancing Flexography”