

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

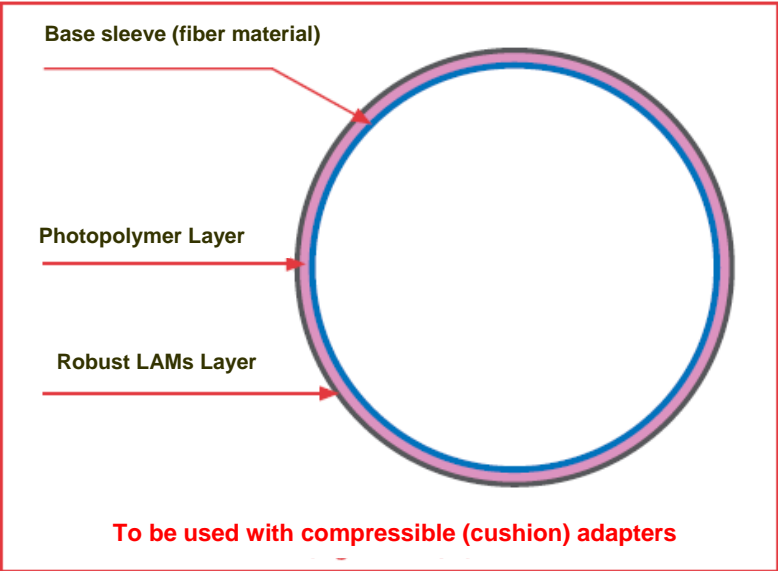
Unexposed Cyrel® round sleeves can be stored in the special transport box in a temperature controlled room for up to six months. Temperatures between 40°F and 90°F are recommended. The transport box provides extra protection for transport and storage.

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”