

DuPont™ Cyrel® FAST round Thin

THE THERMALLY PROCESSABLE DIGITAL PHOTOPOLYMER SLEEVE

DuPont Packaging Graphics

To help our customers gain competitive advantage in the global packaging graphics value chain.

DuPont Packaging Graphics continues to be a global technology leader in supplying flexographic printing systems. Our scientists continue to develop unique solutions based on new technologies to help our customers expand their business by taking advantage of new profitable packaging printing opportunities.

DuPont Packaging Graphics portfolio of products includes Cyrel® brand photopolymer plates (analog and digital), Cyrel® plate-making equipment, Cyrel® round sleeves, Cyrel® plate mounting systems and the revolutionary Cyrel® FAST thermal system.

Cyrel® FAST round Thin is a thermal processable photopolymer sleeve that is ideal for very high quality printing. Combined with a compressible adapter Cyrel® FAST round Thin ensures good coverages on solids while maintaining a low dotgain.

Applications

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



DuPont™ Cyrel® FAST round Thin

Product properties

- Endless printform
- Thermally processable
- High resolution for linework and halftone printing
- Excellent ink transfer for combinations of linework and halftones
- Outstanding thickness uniformity
- High productivity
- Glass fibre basesleeve with stable dimensions
- Excellent ozone resistance
- Excellent register accuracy

Printing ink and solvent resistance

Cyrel® FAST round Thin is suitable for use with alcohol and water-based flexographic printing inks and for UV-curing inks.

Sleeve production

- No back exposure is required
- Digital imaging by ablating the LAMS mask on the Cyrel® FAST round sleeve using a suitable laser system
- The main exposure forms the image
- The unexposed photopolymer is removed from the unimaged areas by a thermal development process to create a relief image within 10-15 minutes
- Finishing and post-exposure with UV-C and UV-A light
- Within approximately 35 minutes the sleeve is ready for the press



The miracles of science™

DuPont™ Cyrel® FAST round Thin
Continuous photopolymer sleeve for digital imaging

Storage of raw sleeves

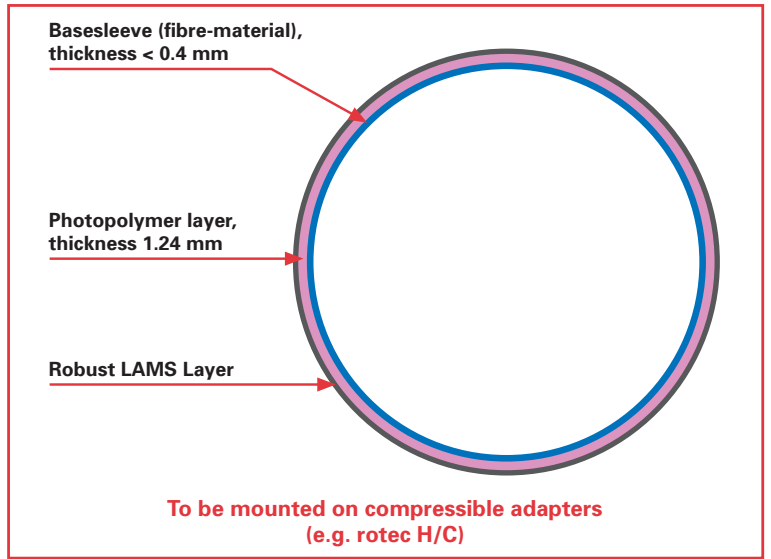
Unexposed Cyrel® FAST round sleeves can be stored in the special transport box in a temperature controlled room for up to six months. Temperatures between 4°C and 32°C are recommended. The transport box enables a perfect protection for transport and storage.

Handling of raw sleeves

Prior to mainexposure Cyrel® FAST round sleeves should be protected from UV-light. We recommend to use filtered lamps and UV-filters on window.

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.

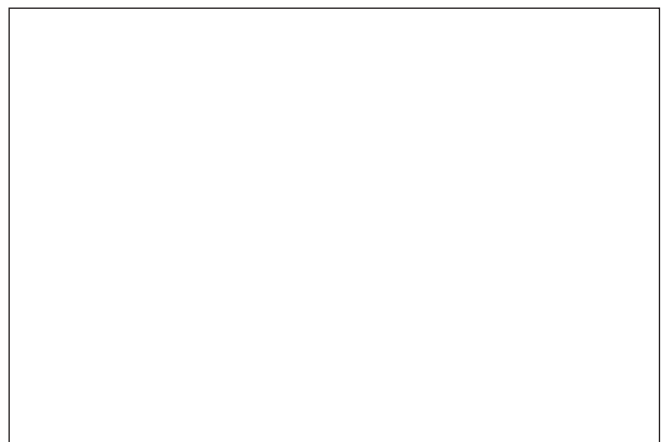


General information	Details
Min. circumference	320 mm
Max. circumference	820 mm, larger repeats on request
Length	300 – 1.450 mm
Structure	Basic sleeve < 0.4 mm Photopolymer 1.24 mm
Final hardness	75 Sh A
Internal diameter	Accroding to Stork-system
Image reproduction	1 – 98 % at 157 lpi (62 L/cm)
Minimum positive line	0.075 mm
Isolated dot	0.125 mm in diameter
Relief depth	Approx. 0.55 mm

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To learn more, visit www.cyrel.co.uk
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“Advancing Flexography”