

DuPont™ Cyrel® FAST round Classic

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

Applications

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



DuPont™ Cyrel® FAST round Classic

Product properties

- Endless printform
- Thermally processable
- High resolution for linework and halftone printing
- Excellent ink transfer for outstanding solids
- Outstanding thickness uniformity
- High productivity
- Stable base sleeve
- Excellent ozone resistance
- Excellent register accuracy

Printing ink and solvent resistance

Cyrel® FAST round Classic 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 using a thermal development process to create a relief image.
- Finishing and postexposure with UV-C and UV-A light
- Within approximately 35 minutes the sleeve is ready for the press



The miracles of science™

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 windows.

Storage of processed sleeves

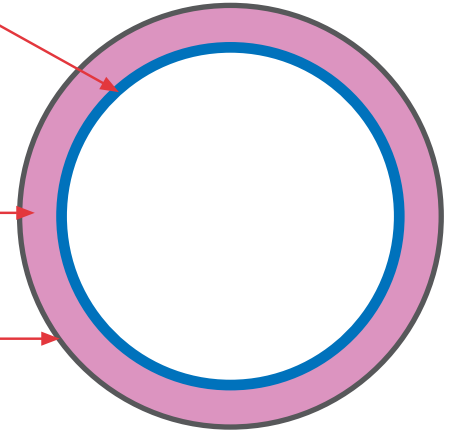
Printed sleeves should be cleaned carefully with a suitable solvent before being placed in storage. Storing them in the special transport box will protect the sleeves from direct sunlight.

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

**Basesleeve (fibre-material),
thickness < 0.7 mm**

**Photopolymer layer,
thickness 2.49 mm**

Robust LAMS Layer



**To be used in combination with cylinders
and hard or compressible adapters**

General information	Details
Min. circumference	330 mm
Max. circumference	960 mm, larger repeats on request
Max. length	300 – 1,450 mm
Structure	Basic sleeve < 0.7 mm Photopolymer ≈ 2.49 mm
Final hardness	65 Sh A
Internal diameter	According to Stork-system
Image reproduction	1 – 98 %
Minimum positive line	0.075 mm
Isolated dot	0.150 mm in diameter
Relief depth	Approx. 0.7 mm

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