

# DuPont™ Cyrel® round Classic

THE ENDLESS 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® platemaking equipment, Cyrel® round sleeves, Cyrel® plate mounting systems and the revolutionary Cyrel® FAST thermal system.

**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.**

### Applications

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

### Product properties

- Endless printing form
- High resolution for both line and halftone printing
- Excellent ink transfer for outstanding area printing



DuPont™ Cyrel® round Classic

- Outstanding thickness uniformity
- High productivity
- Stable basic sleeve
- Excellent ozone resistance
- Excellent register accuracy

### Printing ink and solvent resistance

Cyrel® round Classic is suitable for use with both alcohol and water-based flexographic printing inks and for UV-hardening printing ink systems.

### 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 Classic sleeve is then dried using hot air
- The washing, drying and final treatment processes are carried out automatically in the Cyrel® round inliner processing unit
- A finishing and final exposure is carried out using UV-A and UV-C light

DuPont™ Cyrel®



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### Storage of raw materials

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

Cyrel® round sleeves should only be handled in light with low UV output. We recommend that you use appropriately filtered lamps and cover the windows with a UV protection foil.

### Storage of processed sleeves

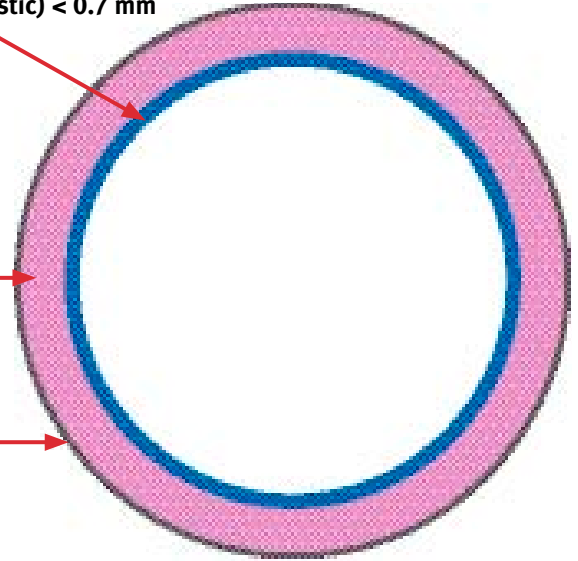
Printed sleeves should be cleaned carefully with a suitable solvent before being placed in storage. Storing them in the special transport box will protect the sleeves from direct sunlight.

## DuPont™ Cyrel® round Classic: Raw continuous polymer sleeves for digital imaging

**Basic sleeve GRP  
(glass fibre-reinforced plastic) < 0.7 mm**

**Photopolymer layer  
≈ 2.54 mm**

**Robust LAMS Layer**



**For use with printing cylinders or adapters**

General information	Details
Min. circumference	290 mm
Max. circumference	1,200 mm
Max. length	1,750 mm
Structure	Basic sleeve < 0.7 mm Photopolymer ≈ 2.54 mm
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	0.7 mm +/- 0.1 mm

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Du Pont de Nemours (Deutschland) GmbH  
DuPont Imaging Technologies  
Hugenottenallee 173  
63263 Neu-Isenburg  
Deutschland  
Tel: +49 (0) 6102 18 3324

Du Pont (U.K.) Limited  
DuPont Imaging Technologies  
Wedgwood Way, Stevenage  
Hertfordshire SG1 4QN  
United Kingdom  
Tel: +44 (0) 1438 734485

To learn more, visit [www.packaging-graphics.dupont.com](http://www.packaging-graphics.dupont.com)  
or contact your Cyrel® specialist



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**“Advancing Flexography”**