

# DuPont™ Cyrel® DPI

HARD DUROMETER DIGITAL PLATE FOR HIGH QUALITY PACKAGING PRINTING

## 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 (analogue and digital), Cyrel® platemaking equipment, Cyrel® round sleeves, Cyrel® plate mounting systems and the revolutionary Cyrel® FAST thermal system.

**Cyrel® DPI is the digital plate of choice for high quality printing in various packaging segments, designed to meet the needs of modern flexo printing.**

### Applications

- Flexible packaging
- Tag & Label
- Folding cartons
- Beverage cartons

### Product Features

- Excellent tonal range
- Sharp type and open reverses
- Low dot gain
- High exposure resolution results in better quality reproduction on press



## DuPont™ Cyrel® DPI

- Image relief is clean and sharp
- High resistance to ozone and white light results in excellent storage capability

### Printing ink and solvent compatibility

Cyrel® DPI offers excellent compatibility with solvent-based and water-based inks.

### Process of use

Expose the plate through the back to establish the floor and maximize sensitivity. Back exposure varies according to relief required. Remove the protective coversheet, and image the plate with the Cyrel® Digital Imager (CDI). Expose the

front of the plate surface. Process the plate in the Cyrel® solvent processor to remove unexposed polymer. Finish the plate in a light finisher to eliminate surface tackiness.

### Mounting

Cyrel® Microflex mounting devices are recommended for mounting Cyrel® DPI plates. The double sided adhesive should first be applied to the cylinder or sleeve – not the plate – to ensure easier and precise laydown. The polyester base will maintain accurate register even with large plates.



*The miracles of science™*

### Storage – Raw Material

Store unexposed plates in a cool area (4-32° C), away from direct sources of heat. Cyrel® DPI is foam interleaved to provide maximum protection of the plate after manufacture, and during transportation and storage. Plates should be stacked flat. Plates should not be exposed to direct sunlight or excessive

white light. Continuous exposure to very high ozone concentrations should be avoided.

### Handling – Raw Material

Cyrel® DPI plates should be handled under UV free light; e.g. fluorescent tubes covered with amber sleeves.

### Storage – Finished Plates

After printing, plates should be thoroughly cleaned with compatible solvent before storing. They may be stored on cylinders, sleeves or demounted and stored flat.

<b>Technical Data</b>			
	<b>Cyrel® DPI 30 Thickness 0.76 mm/ 0.030 inch</b>	<b>Cyrel® DPI 45 Thickness 1.14 mm/ 0.045 inch</b>	<b>Cyrel® DPI 67 Thickness 1.70 mm/ 0.067 inch</b>
<b>Durometer</b>	82 Sh A	76 Sh A	70 Sh A
<b>Image Reproduction</b>	1 – 98% 60 L/cm	1 – 98% 60 L/cm	1 – 98% 60 L/cm
<b>Minimum positive line width</b>	0.050 mm/ 2 mil	0.050 mm/ 2 mil	0.050 mm/ 2 mil
<b>Minimum isolated dot size</b>	200 µm	200 µm	200 µm
<b>Relief Depth</b>	0.50 mm/ 0.020 inch	0.60 mm/ 0.024 inch	0.70 mm/ 0.028 inch

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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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**DuPont Packaging Graphics**  
**“Advancing Flexography”**