

# DuPont™ Cyrel® DPR

THE NEW PREMIUM DIGITAL PLATE FOR OPTIMUM PRINT RESULTS

## DuPont Packaging Graphics

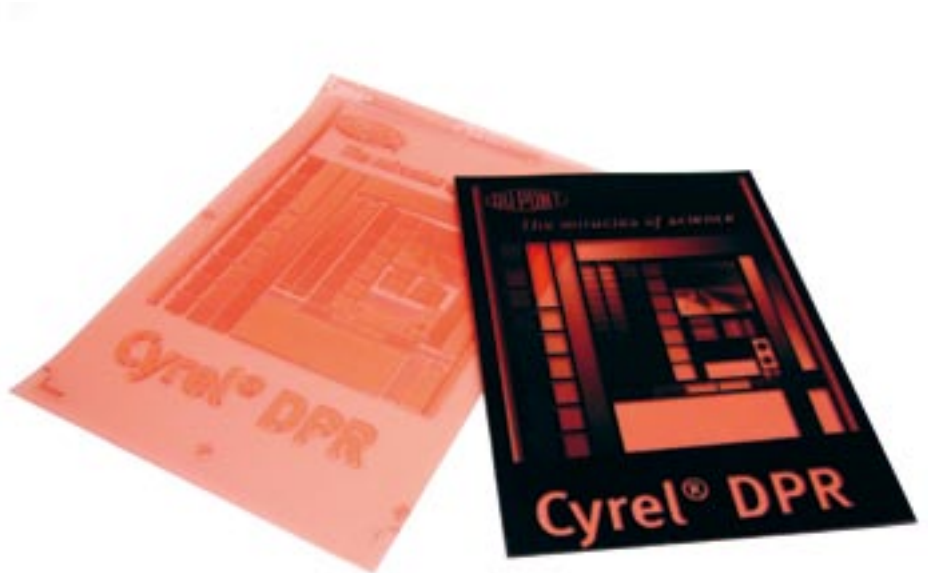
**To help our customers gain competitive advantage in the global packaging graphics value chain.**

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® DPR is the new digital plate of choice for highest quality printing across a broad range of packaging segments. Cyrel® DPR has been designed to perform with a wide array of substrates and inks at higher productivity levels on press than other digital plates.**

### Applications

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



## DuPont™ Cyrel® DPR

### Product Features

- Outstanding run length
- Excellent tonal range
- Impressive plate robustness
- Fabulous printing uniformity across the web
- Remains longer clean on press
- Sharp type and open reverses
- Very low dot gain
- High exposure resolution (resulting in better quality reproduction on press)
- Clean and sharp image relief
- High resistance to ozone and white light (resulting in excellent storage capability)

### Printing ink and solvent compatibility

Cyrel® DPR offers excellent compatibility with solvent-based and water-based inks and is compatible with selected UV inks. For further details, contact your Cyrel® specialist.

### 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® DPR 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® DPR 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® DPR plates should be handled under UV free light.

### Storage – Finished Plates

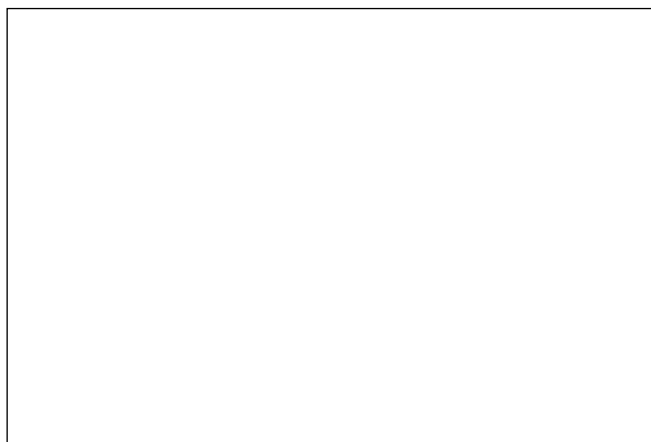
After printing, plates should be thoroughly cleaned with compatible solvent before storing. They may be stored on cylinders, sleeves or demounted and stored flat.

<b>Technical Data</b>			
	<b>Cyrel® DPR 45 Thickness 1.14 mm / 0.045 inch</b>	<b>Cyrel® DPR 67 Thickness 1.70 mm / 0.067 inch</b>	<b>Cyrel® DPR 100 Thickness 2.54 mm / 0.10 inch</b>
<b>Durometer</b>	76 Sh A	69 Sh A	64 Sh A
<b>Image Reproduction</b>	1 – 98% 60 L/cm	1 – 98% 60 L/cm	1 – 98% 54 L/cm
<b>Minimum positive line width</b>	0.05 mm/ 2 mil	0.05 mm/ 2 mil	0.075 mm/ 3 mil
<b>Minimum isolated dot size</b>	200 µm	200 µm	250 µm
<b>Relief Depth</b>	0.60 mm/ 0.024 inch	0.70 mm/ 0.028 inch	0.80 mm/ 0.031 inch

*All technical information set out herein is provided free of charge and is based on technical data, which DuPont believes to be reliable. It is intended for use by persons having skill, at their own discretion and risk. The handling precaution information contained herein is given with the understanding that those using it will satisfy themselves that their particular conditions of use present no health or safety hazards. Since conditions of product use are outside of our control we make no warranties express or implied in relation thereto and therefore cannot accept any liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under, or a recommendation to infringe any patents.*

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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”**