

DuPont™ Cyrel® DPU

MEDIUM HARD DIGITAL PLATE FOR VIRTUALLY ALL INK SYSTEMS
AND ALL SUBSTRATES

DuPont Packaging Graphics

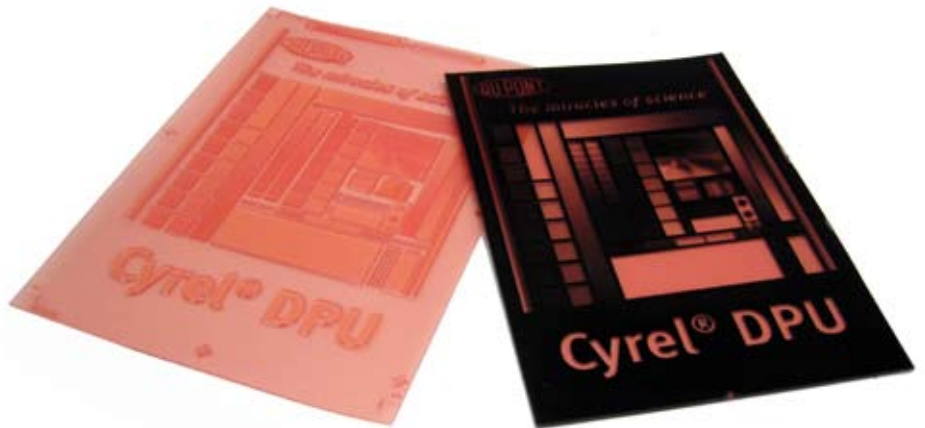
To help our customers gain competitive advantage in the global packaging graphics value chain.

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.

The latest medium hard digital plate with ultra performance! Cyrel® DPU is the digital plate that can be used with virtually all ink systems and for all substrates. Cyrel® DPU offers good halftone printing as well as good line work and solids.

Applications

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



DuPont™ Cyrel® DPU

Product Features

- Easy to use on press
- Excellent ink transfer permits superior printing uniformity
- High exposure resolution results in better quality reproduction on press
- Image relief is clean and sharp
- High resistance to ozone and white light results in excellent storage capability

Printing ink and solvent compatibility

Cyrel® DPU offers excellent compatibility with UV, 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.



The miracles of science™

Mounting

Cyrel® Microflex mounting devices are recommended for mounting Cyrel® DPU 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.

Storage – Raw Material

Store unexposed plates in a cool area (4-32° C), away from direct sources of heat. Cyrel® DPU 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® DPU plates should be handled under UV free light; e.g. fluorescent tubes covered with amber sleeves.

Storage – Finished Plates

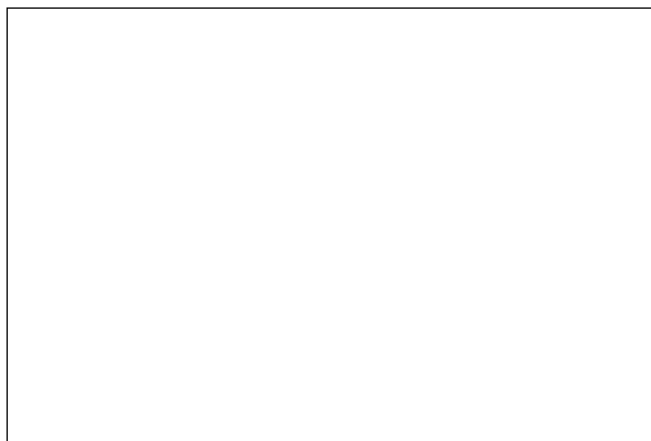
After printing, plates should be thoroughly cleaned with compatible solvent before storing. They may be stored on cylinders, sleeves or demounted and stored flat.

Technical Data				
	Cyrel® DPU 45 Thickness 1.14 mm/ 0.045 inch	Cyrel® DPU 67 Thickness 1.70 mm/ 0.067 inch	Cyrel® DPU 100 Thickness 2.54 mm/ 0.10 inch	Cyrel® DPU 112 Thickness 2.84 mm/ 0.112 inch
Durometer	76 Sh A	67 Sh A	63 Sh A	60 Sh A
Image Reproduction	1 – 98% 60 L/cm	1 – 98% 60 L/cm	1 – 98% 54 L/cm	1 – 98% 54 L/cm
Minimum positive line width	0.050 mm/ 2 mil	0.050 mm/ 2 mil	0.075 mm/ 3 mil	0.075 mm/ 3 mil
Minimum isolated dot size	200 µm	200 µm	250 µm	250 µm
Relief Depth	0.60 mm/ 0.024 inch	0.70 mm/ 0.028 inch	0.80 mm/ 0.031 inch	0.90 – 1.00 mm/ 0.035 – 0.039 inch

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To learn more, visit www.packaging-graphics.dupont.com
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“Advancing Flexography”