DuPont™ Cyrel® DPC

THE VERY SOFT DIGITAL PLATE FOR THE CORRUGATED MARKET

DuPont Packaging Graphics

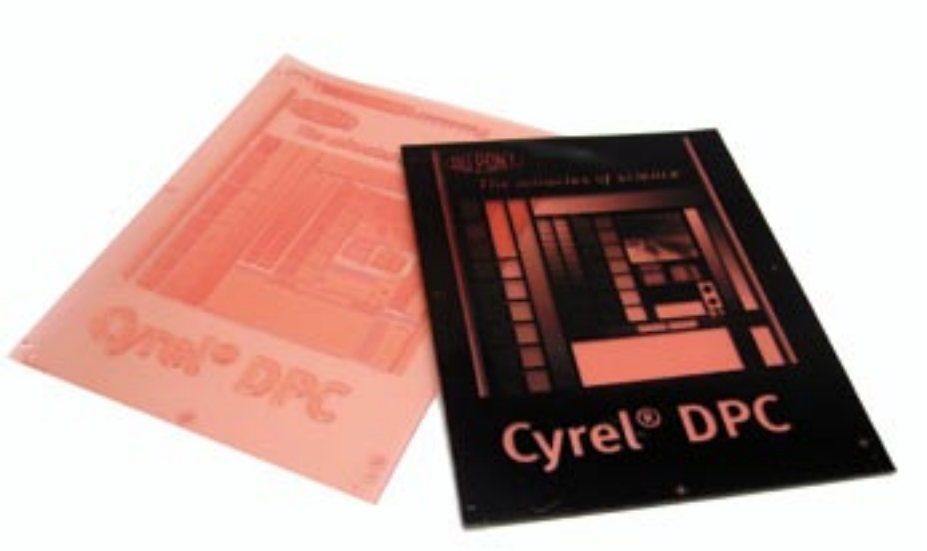
To help our customers gain competitive advantage in the global packaging graphics value chain.

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® plate-making equipment, Cyrel® round sleeves, Cyrel® plate mounting systems and the revolutionary Cyrel® FAST thermal system.

Cyrel® DPC is a soft digital plate which has been developed especially for the corrugated market. Highest quality results are achieved on any type of corrugated board using water-based inks.

Applications
- Corrugated post-print
- Sacks
- Rough paper surfaces

Product Features
- Excellent ink transfer permits superior printing uniformity
- High exposure resolution results in better quality reproduction
- Image relief is clean and sharp
- Exceptional exposure latitude allows single exposure without masking



DuPont™ Cyrel® DPC

- Excellent thickness uniformity
- Less make ready time
- High resistance to ozone and white light results in excellent storage capability

Printing ink and solvent compatibility
Cyrel® DPC offers excellent compatibility with 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® DPC 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. Humidity control is not required. Cyrel® DPC is foam interleaved to provide maximum protection of the plate after manufacture, and during transportation and storage.

DuPont™ Cyrel® new horizons

DUPONT®
The miracles of science™

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® DPC 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® DPC 112 Thickness 2.84 mm/ 0.112 inch	**Cyrel® DPC 125 Thickness 3.18 mm/ 0.125 inch**	**Cyrel® DPC 155 Thickness 3.94 mm/ 0.155 inch**
Durometer	38 Sh A	37 Sh A	36 Sh A
Image Reproduction	1 – 98% / 48 L/cm	1 – 98% / 48 L/cm	1 – 98% / 42 L/cm
Minimum positive line width	0.125 mm/ 5 mil	0.125 mm/ 5 mil	0.300 mm/ 12 mil
Minimum isolated dot size	250 µm	275 µm	550 µm
Relief Depth	1.00 mm/ 0.039 inch	1.00 – 1.50 mm/ 0.039 – 0.059 inch	1.50 – 2.00 mm/ 0.059 – 0.079 inch

	Cyrel® DPC 170 Thickness 4.32 mm – 0.170 inch	**Cyrel® DPC 185 Thickness 4.70 mm/ 0.185 inch**	**Cyrel® DPC 197 Thickness 5.00 mm/ 0.197 inch**
Durometer	35 Sh A	35 Sh A	35 Sh A
Image Reproduction	1 – 98% / 42 L/cm	1 – 98% / 42 L/cm	2 – 95% / 34 L/cm
Minimum positive line width	0.300 mm/ 12 mil	0.300 mm/ 12 mil	0.30 mm/ 12 mil
Minimum isolated dot size	550 µm	550 µm	500 µm
Relief Depth	1.50 – 2.00 mm/ 0.059 – 0.079 inch	1.50 – 2.50 mm/ 0.059 – 0.098 inch	2.50 mm / 0.098 inch

	Cyrel® DPC 217 Thickness 5.51 mm/ 0.217 inch	**Cyrel® DPC 237 Thickness 6.02 mm/ 0.237 inch**	**Cyrel® DPC 250 Thickness 6.35 mm/ 0.250 inch**
Durometer	35 Sh A	35 Sh A	35 Sh A
Image Reproduction	2 – 95% / 34 L/cm	2 – 95% / 34 L/cm	2 – 95% / 34 L/cm
Minimum positive line width	0.30 mm/ 12 mil	0.30 mm/ 12 mil	0.30 mm/ 12 mil
Minimum isolated dot size	500 µm	500 µm	500 µm
Relief Depth	2.50 mm / 0.098 inch	2.50 mm / 0.098 inch	2.50 mm / 0.098 inch

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
or contact your Cyrel® specialist

The miracles of science™

DuPont Packaging Graphics

"Advancing Flexography"

 Printed in Europe (06/07)

PDS-EU0009-UK