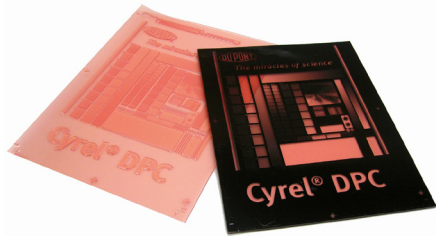


DuPont™ Cyrel® DPC

The Low Durometer Digital Plate for the Corrugated Market



DuPont™ Cyrel® DPC

[DuPont Packaging Graphics](#) continues to be a global technology leader in the development and supply of flexographic printing systems. Our R&D team continues to develop innovative new solutions to help our customers expand their business by taking advantage of new and profitable opportunities in the growing flexographic packaging market. The DuPont Packaging Graphics portfolio of products includes DuPont™ Cyrel® brand photopolymer plates ([analogue](#) and [digital](#)), Cyrel® platemaking equipment, [Cyrel® round sleeves](#), [Cyrel® plate mounting systems](#) and the revolutionary [Cyrel® FAST thermal system](#).

DuPont™ Cyrel® Systems: Higher quality at high speed.

DuPont™ 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.

DuPont™ Cyrel® DPC

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
- 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 a Cyrel® Digital Imager (CDI). Expose the front of the plate surface. Process the plate in a 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.



Play Video



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Storage – Raw Material

Store unexposed plates in a cool area (4–32°C, 40–90°F), away from direct sources of heat. Humidity control is not required. DuPont™ Cyrel® DPC 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® 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 a 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"	Cyrel® DPC 125 Thickness 3,18 mm / 0,125"	Cyrel® DPC 155 Thickness 3,94 mm / 0,155"	Cyrel® DPC 170 Thickness 4,32 mm / 0,170"	Cyrel® DPC 185 Thickness 4,70 mm / 0,185"
Durometer	38 Sh A	37 Sh A	36 Sh A	35 Sh A	35 Sh A
Image Reproduction	1–98% / 48 L/cm	1–98% / 48 L/cm	1–98% / 42 L/cm	1–98% / 42 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	0,300 mm / 12 mil	0,300 mm / 12 mil
Minimum Isolated Dot	250 µm	275 µm	500 µm	500 µm	500 µm
Relief Depth	1,00 mm / 0,039"	1,00–1,50 mm / 0,039–0,059"	1,50–2,00 mm / 0,059–0,079"	1,50–2,00 mm / 0,059–0,079"	1,50–2,50 mm / 0,059–0,098"

	Cyrel® DPC 197 Thickness 5,00 mm / 0,197"	Cyrel® DPC 217 Thickness 5,51 mm / 0,217"	Cyrel® DPC 237 Thickness 6,02 mm / 0,237"	Cyrel® DPC 250 Thickness 6,35 mm / 0,250"
Durometer	35 Sh A	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	2–95% / 34 L/cm
Minimum Positive Line Width	0,300 mm / 12 mil	0,300 mm / 12 mil	0,300 mm / 12 mil	0,300 mm / 12 mil
Minimum Isolated Dot	500 µm	500 µm	500 µm	500 µm
Relief Depth	2,50 mm / 0,098"	2,50 mm / 0,098"	2,50 mm / 0,098"	2,50 mm / 0,098"

For more information on DuPont™ Cyrel® or other DuPont Packaging Graphics products, please contact your local representative:

www.cyrel.eu

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