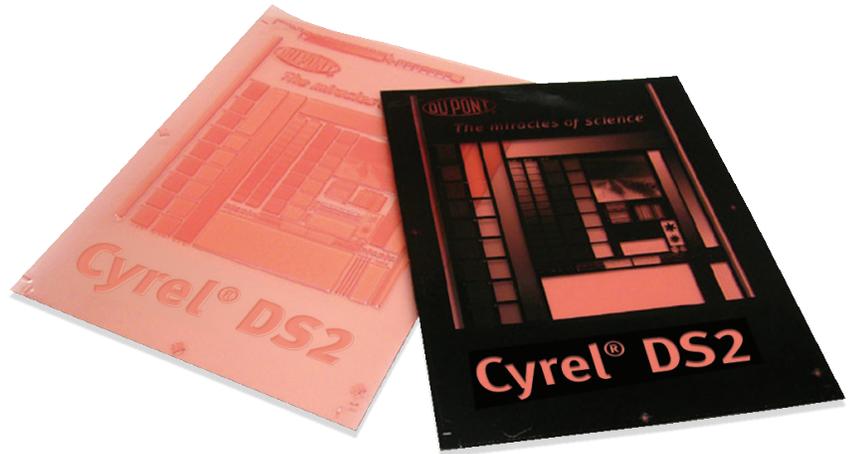


DuPont™ Cyrel® DS2

Medium Soft Digital Plate for Excellent Ink Transfer

Applications

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



Cyrel® DS2 is the digital plate for excellent ink transfer in combination with a much lower dot gain compared to other soft plates.

Product Features

- Excellent ink transfer permits superior printing uniformity especially on poor substrates
- 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 on press
- High resistance to ozone and white light results in excellent storage capability

Printing Ink and Solvent Compatibility

Cyrel® DS2 offers excellent compatibility with solvent-based inks, water-based inks and also with many UV-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® DS2 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® DS2 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® DS2 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.

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Technical Data

	Thickness	Durometer	Image Reproduction	Min. Positive Line Width	Min. Isolated Dot Size	Relief Depth
Cyrel® DS2 45	1.14 mm / 0.045"	70 Sh A	1 – 98% 60 L/cm	0.050 mm / 2 mil	200 µm	0.60 mm / 0.024"
Cyrel® DS2 67	1.70 mm / 0.067"	59 Sh A	1 – 98% 60 L/cm	0.050 mm / 2 mil	200 µm	0.70 mm / 0.028"
Cyrel® DS2 100	2.54 mm / 0.10"	49 Sh A	1 – 98% 54 L/cm	0.075 mm/ 3 mil	250 µm	0.80 mm / 0.0318"
Cyrel® DS2 112	2.84 mm / 0.112"	47 Sh A	1 – 98% 54 L/cm	0.075 mm/ 3 mil	250 µm	0.90 – 1.00 mm/ 0.035 – 0.039"

DuPont Advanced Printing brings together leading technologies and products for the printing and package printing industries. DuPont™ Cyrel® is one of the world's leading flexographic platemaking systems in digital and conventional formats, including DuPont™ Cyrel® brand photopolymer plates (analog and digital), Cyrel® platemaking equipment, Cyrel® round sleeves, Cyrel® plate mounting systems and the revolutionary Cyrel® FAST thermal system.



cyrel.eu

For more information on DuPont™ Cyrel® or other DuPont products, please visit our website.

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