

DuPont™ Cyrel® NOW

Universal Analogue Medium Durometer Printing Plate

Applications

- Flexible packaging
- Film printing
- Tag & label
- Carrier bags
- Folding cartons



Cyrel® NOW is the most universal analogue medium durometer printing plate. It provides an excellent balanced performance for high quality halftones whilst still giving appealing solids at the same time. Cyrel® NOW is a very robust flexo plate which performs extremely well under demanding conditions. Cyrel® NOW can be used for most flexographic printing applications. From flexible packaging to label printing, Cyrel® NOW should always be the printers first choice when looking for a high quality plate type. Its superior ink transfer and high resolution offer significant advantages to the quality conscious printer.

Product Features

- Very quick drying times enable increased productivity
- High resolution – holds dots down to 1% in screen rulings of 54 l/cm and finer
- Very consistent platemaking
- Fits well with plate making techniques like FlexoCal
- High resistance to ozone and white light results in excellent storage capability
- High resistance towards mechanical and chemical influences
- Requires minimum impressions settings, leading to long press-life
- Excellent ink transfer permits superior printing uniformity

Printing Ink and Solvent Compatibility

Cyrel® NOW 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 expose

the front of the plate. Process the plate in the Cyrel® plate processor. Finish the plate in a light finisher to eliminate surface tackiness. Post-expose the plate to ensure complete polymerisation.

Mounting

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

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Handling – Raw Material

Cyrel® NOW 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

	Thickness	Durometer	Image Reproduction	Min. Positive Line Width	Min. Isolated Dot Size	Relief Depth
Cyrel® NOW 45	1.14 mm / 0.045"	76 Sh A	2 – 95% 54 L/cm	0.10 mm / 4 mil	200 µm	0.60 mm / 0.024"
Cyrel® NOW 67	1.70 mm / 0.067"	68 Sh A	2 – 95% 54 L/cm	0.10 mm / 4 mil	200 µm	0.70 mm / 0.028"
Cyrel® NOW 100	2.54 mm / 0.10"	55 Sh A	2 – 95% 48 L/cm	0.15 mm / 6 mil	250 µm	1.00 mm / 0.039"
Cyrel® NOW 112	2.84 mm / 0.112"	54 Sh A	2 – 95% 48 L/cm	0.15 mm / 6 mil	250 µm	1.00 mm / 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 (analogue and digital), Cyrel® platemaking equipment, Cyrel® round sleeves, Cyrel® plate mounting systems and the revolutionary Cyrel® FAST thermal system.



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

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