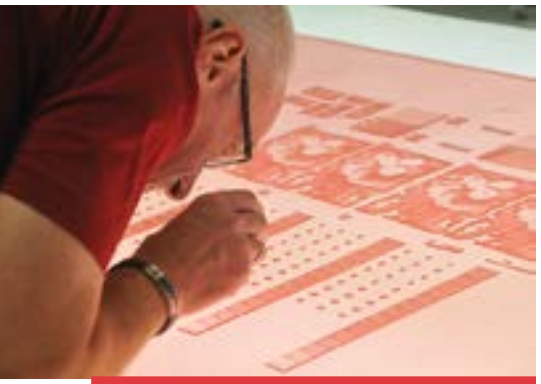
DuPont™ Cyrel® NOWS

Medium Durometer High Resolution Analog Plate



DuPont™ Cyrel® NOWS

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 (analog 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® NOWS is an analog medium-high durometer printing plate for high quality process and combination printing. Cyrel® NOWS uses proprietary new surface technology to achieve the lowest dot gain, with high ink transfer for smoother solids while retaining all the positive attributes of NOWS.

DuPont™ Cyrel® NOWS

Applications

- Flexible Packaging
- Tag & Label
- Folding Cartons
- Tissue Wrappers
- Beverage Cartons

Product Features

- High resolution–holds 1–95% in screen rulings of 150 lpi
- Matte-look finished plate surface gives improved image visibility
- Fits well with platemaking techniques like FlexoCal or single point light sources
- Excellent solvent and ozone resistance
- Prints all image elements with high fidelity
- Requires minimum impression settings, leading to long plate life, open reverses
- Proprietary technology prints high density, smooth solids
- Eliminates the need for build-up tape under solid areas in combination plates
- Easy de-mounting from cylinder and sleeve without delamination
- Low surface tack makes handling easy, and job stays cleaner on press

Printing Ink and Solvent Compatibility

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

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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 polymerization.

Mounting

Cyrel® Microflex mounting devices are recommended for mounting Cyrel® NOWS 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 Plates

Store unexposed plates in a cool area (40–90°F, 4–32°C,), away from direct sources of heat. Humidity control is not required. Cyrel® NOWS 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

Like all photopolymer plates, Cyrel® NOWS 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.

Storage and Handling

Store flat between 40–90°F, relative humidity 70%, minimum shelf life of one year.

Technical Data						
	Cyrel® NOWS 45	**Cyrel® NOWS 67**	**Cyrel® NOWS 100**	**Cyrel® NOWS 107**	**Cyrel® NOWS 112**	**Cyrel® NOWS 125**
Durometer	76 Sh A	68 Sh A	55 Sh A	55 Sh A	54 Sh A	52 Sh A
Image Reproduction	1–95% / 60 L/cm / 150 lpi	1–95% / 60 L/cm / 150 lpi	1–95% / 48 L/cm / 120 lpi	1–95% / 48 L/cm / 120 lpi	1–95% / 48 L/cm / 120 lpi	1–95% / 48 L/cm / 120 lpi
Minimum Positive Line Width	4 mil 0.10 mm	4 mil 0.10 mm	6 mil 0.15 mm	6 mil 0.15 mm	6 mil 0.15 mm	6 mil 0.15 mm
Minimum Isolated	200 µm	200 µm	250 µm	250 µm	250 µm	250 µm
Relief Depth	0.020–0.025" 0.50–0.635 mm	0.023–0.028" 0.58–0.71 mm	0.039" 1.00 mm	0.039" 1.00 mm	0.039" 1.00 mm	0.039" 1.00 mm

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

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