

# DuPont™ Cyrel® NEOS

Medium Soft Analogue Printing Plate

## Applications

- Flexible packaging
- Film printing
- Tag & label
- Carrier bags
- Rough paper substrates
- Beverage cartons



**DuPont™ Cyrel® NEOS is a medium soft analogue printing plate for the broadest range of applications, from narrow web label printing to oversized preprint. It combines low dot gain with high ink transfer for smooth solids.**

## Product Features

- High plate making and press latitude enables success under many conditions
- Even under changing conditions such as temperature and humidity Cyrel® NEOS offers a very consistent plate making performance
- High resistance to ozone and white light results in excellent storage capability
- Requires minimum impression settings, giving good balance between solids and screens
- Proprietary surface technology prints smooth solids
- Low surface tack makes handling easy

## Printing Ink and Solvent Compatibility

Cyrel® NEOS offers excellent compatibility with solvent-based, 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 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® NEOS 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® NEOS 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® NEOS 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
<b>Cyrel® NEOS 45</b>	1.14 mm / 0.045"	72 Sh A	2 – 95% 48 L/cm	0.10 mm / 4 mil	200 µm	0.60 mm / 0.024"
<b>Cyrel® NEOS 67</b>	1.70 mm / 0.067"	60 Sh A	2 – 95% 48 L/cm	0.10 mm / 4 mil	200 µm	0.70 mm / 0.028"
<b>Cyrel® NEOS 100</b>	2.54 mm / 0.10 "	49 Sh A	2 – 95% 48 L/cm	0.15 mm / 6 mil	250 µm	1.00 mm / 0.039"
<b>Cyrel® NEOS 112</b>	2.84 mm / 0.112"	48 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.



[cyrel.eu](http://cyrel.eu)

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

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