

DuPont™ Cyrel® SEP

ECONOMICAL ANALOGUE PRINTING PLATE

DuPont Packaging Graphics

To help our customers gain competitive advantage in the global packaging graphics value chain.

DuPont Packaging Graphics continues to be a global technology leader in supplying flexographic printing systems. Our scientists continue to develop unique solutions based on new technologies to help our customers expand their business by taking advantage of new profitable packaging printing opportunities. DuPont Packaging Graphics portfolio of products includes 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® SEP is DuPont's economical analogue printing plate for printers who want to achieve good quality printing results on film or paper.

Applications

- Flexible packaging
- Tag & label
- Carrier bags
- Paper substrates



DuPont™ Cyrel® SEP

Product Features

- Easy handling in plate making and printing

Printing ink and solvent compatibility

Cyrel® SEP 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® SEP 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.



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DuPont Packaging Graphics

“Advancing Flexography”

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® SEP 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® SEP 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 | | | | |
|------------------------------------|---|---|---|--|
| | Cyrel® SEP 45 Thickness 0.045 inch – 1.14 mm | Cyrel® SEP 67 Thickness 0.067 inch – 1.70 mm | Cyrel® SEP 100 Thickness 0.10 inch – 2.54 mm | Cyrel® SEP 112 Thickness 0.112 inch – 2.84 mm |
| Durometer | 68 Sh A | 58 Sh A | 48 Sh A | 46 Sh A |
| Image Reproduction | 2 – 95% 48 L/cm | 2 – 95% 48 L/cm | 2 – 95% 48 L/cm | 2 – 95% 48 L/cm |
| Minimum positive line width | 4 mil – 0.10 mm | 4 mil – 0.10 mm | 4 mil – 0.10 mm | 4 mil – 0.10 mm |
| Minimum isolated dot size | 4 mil – 0.10 mm | 4 mil – 0.10 mm | 4 mil – 0.10 mm | 4 mil – 0.10 mm |
| Relief Depth | 0.028 inch – 0.7 mm | 0.028 inch – 0.7 mm | 0.039 inch – 1.0 mm | 0.039 inch – 1.0 mm |

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To learn more, visit www.packaging-graphics.dupont.com
or contact your Cyrel® specialist



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