DuPont™ Cyrel® DRC

Economical Analog Printing Plate for the Corrugated Board Industry

Applications

- Corrugated board
- Paper substrates

Cyrel® DRC is the robust plate for printing line work & solids on any corrugated board substrate. Cyrel® DRC is used for line work, solid printing and limited halftone printing on all kinds of corrugated board substrates from coarse C to fine E and F -flutings.

Product Features

- Good platemaking latitude – no masking necessary
- Shore hardness adapted to use with different board flutings

Printing Ink and Solvent Compatibility

Cyrel® DRC offers excellent compatibility with 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.

Storage – Raw Material

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® DRC 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® DRC 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.

Availability

Cyrel® DRC is available in thickness 125, 155, 170, 185, 197, 217 237 and 250 inches.

Formats available are 42 x 60 inches (106.7 x 152.4cm) and 52 x 80 inches (132.0 x 203.2 cm).

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Technical Data

	Thickness	Durometer	Image Reproduction	Min. Positive Line Width	Min. Isolated Dot Size	Relief Depth
Cyrel® DRC 125	3.18 mm / 0.125"	38 Sh A	3 – 95% / 42 L/cm	0.175 mm / 7 mil	250 µm	1.0 – 1.5 mm / 0.039 – 0.059"
Cyrel® DRC 155	3.94 mm / 0.155"	37 Sh A	3 – 95% / 36 L/cm	0.35 mm / 14 mil	500 µm	1.5 – 2.0 mm / 0.059 – 0.079"
Cyrel® DRC 170	4.32 mm / 0.170"	36 Sh A	3 – 95% / 28 L/cm	0.35 mm / 14 mil	500 µm	1.5 – 2.0 mm / 0.059 – 0.079"
Cyrel® DRC 185	4.70 mm / 0.185"	36 Sh A	3 – 95% / 28 L/cm	0.35 mm / 14 mil	500 µm	1.5 – 2.5 mm/ 0.059 – 0.098"
Cyrel® DRC 197	5.00 mm / 0.197"	36 Sh A	3 – 95% / 28 L/cm	0.35 mm / 14 mil	500 µm	2.5 mm – 0.098"
Cyrel® DRC 217	5.51 mm / 0.217"	35 Sh A	3 – 95% / 28 L/cm	0.35 mm / 14 mil	500 µm	2.5 mm – 0.098"
Cyrel® DRC 237	6.02 mm / 0.237"	35 Sh A	3 – 95% / 28 L/cm	0.35 mm / 14 mil	500 µm	2.5 mm – 0.098"
Cyrel® DRC 250	6.35 mm / 0.250"	34 Sh A	3 – 95% / 28 L/cm	0.35 mm / 14 mil	500 µm	2.5 mm – 0.098"

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.

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