

# DuPont™ Cyrel® DSM

General Purpose Medium Durometer Digital Plate

## Applications

- Pre-print liner and Paper bags
- Folding cartons
- Tag and Label
- Flexible packaging
- Carrier bags and Breathable film
- Beverage cartons
- Envelopes



## DuPont™ Cyrel® DSM Plates: Performance Balanced Standard Digital Plate for Paper and Film

**Cyrel® DSM is a general-purpose medium durometer digital plate with outstanding process latitude and on-press performance. It is designed to meet the needs of high quality flexo with fine halftone, linework and solids on a wide range of substrates. Cyrel® DSM continues the tradition of wide latitude and long run length while bringing the productive and economic benefits inherent in a fully digital platemaking workflow.**

### Product Features

- Ease of Use: Consistent manufacturing quality, wide exposure and processing latitude
- Robust: Long run length
- Well balanced solid ink density and long tonal range
- Excellent ink transfer on a wide range of substrates especially for uncoated paper

### Printing Ink and Solvent Compatibility

Cyrel® DSM offers excellent compatibility with solvent based, water-based and 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 image the plate with a Cyrel® Digital Imager (CDI). Expose the front of the plate surface. Process the plate in a Cyrel® solvent processor to remove unexposed polymer. Finish the plate in a light finisher to eliminate surface tackiness.

### Mounting

Microdot mounting devices are recommended for mounting Cyrel® DSM 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 away from direct sources of heat (4-32° C, 40-90° F). Humidity control is not required. Cyrel® DSM 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® DSM plates should be handled under UV free light; e.g. fluorescent tubes covered with sleeve filters.

# DuPont™ Cyrel® DSM

General Purpose Medium Durometer Digital Plate

## Storage – Finished Plates

After printing, plates should be thoroughly cleaned with a compatible cleaner before storing. They may be stored on cylinders, sleeves or demounted and stored flat.

Sizes Available	Thickness	Durometer	Image Reproduction	Min. Positive Line Width	Min. Isolated Dot Size	Relief Depth
Cyrel® DSM 067	0.067" (1.70 mm)	56-58 Sh A	1-98% @ 175 lpi (69 L/cm)	0.075 mm (3 mil)	0.15 mm (6 mil)	0.65 mm

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.

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



[cyrel.com/au](http://cyrel.com/au)

The information provided in this data sheet corresponds to our knowledge on the subject at the date of its publication. It may be subject to revision as new knowledge and experience becomes available. This information is not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. Since we cannot anticipate all variations in end-use and disposal conditions, DuPont makes no warranties and assumes no liability in connection with any use of this information. It is intended for use by persons having technical skill, at their own discretion and risk. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent right.

DuPont™, the DuPont Oval Logo, and all products, unless otherwise noted, denoted with ™, SM or ® are trademarks, service marks or registered trademarks of affiliates of DuPont de Nemours, Inc. Copyright © 2019 DuPont de Nemours, Inc. All rights reserved

PDS-AP0073-EN (10/19)