DuPont™ Cyrel® DPC
The Low Durometer Digital Plate for the Corrugated Market

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® DPC** is a soft digital plate which has been developed especially for the corrugated market. Highest quality results are achieved on any type of corrugated board using water-based inks.

### Applications
- Corrugated post-print
- Sacks
- Rough paper surfaces

### Product Features
- Excellent ink transfer permits superior printing uniformity
- High exposure resolution results in better quality reproduction
- Image relief is clean and sharp
- Exceptional exposure latitude allows single exposure without masking
- Excellent thickness uniformity
- Less make ready time
- High resistance to ozone and white light results in excellent storage capability

### Printing Ink and Solvent Compatibility
Cyrel® DPC 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 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.

### 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® DPC 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**
DuPont™ Cyrel® DPC 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.

### Technical Data

<table>
<thead>
<tr>
<th></th>
<th>Cyrel® DPC 112 Thickness 0.112” / 2.84 mm</th>
<th>Cyrel® DPC 125 Thickness 0.125” / 3.18 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Durometer</td>
<td>38 Sh A</td>
<td>37 Sh A</td>
</tr>
<tr>
<td>Image Reproduction</td>
<td>1–98% / 48 L/cm</td>
<td>1–98% / 48 L/cm</td>
</tr>
<tr>
<td>Minimum Positive Line Width</td>
<td>5 mil / 0.125 mm</td>
<td>5 mil / 0.125 mm</td>
</tr>
<tr>
<td>Minimum Isolated Dot</td>
<td>250 µm</td>
<td>275 µm</td>
</tr>
<tr>
<td>Relief Depth</td>
<td>0.039” / 1.00 mm</td>
<td>0.039–0.059” / 1.00–1.50 mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Cyrel® DPC 155 Thickness 0.155” / 3.94 mm</th>
<th>Cyrel® DPC 250 Thickness 0.250” / 6.35 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Durometer</td>
<td>36 Sh A</td>
<td>35 Sh A</td>
</tr>
<tr>
<td>Image Reproduction</td>
<td>1–98% / 42 L/cm</td>
<td>2–95% / 34 L/cm</td>
</tr>
<tr>
<td>Minimum Positive Line Width</td>
<td>12 mil / 0.300 mm</td>
<td>12 mil / 0.300 mm</td>
</tr>
<tr>
<td>Minimum Isolated Dot</td>
<td>500 µm</td>
<td>500 µm</td>
</tr>
<tr>
<td>Relief Depth</td>
<td>0.059–0.079” / 1.50–2.00 mm</td>
<td>0.098–0.118” / 2.50–3.00 mm</td>
</tr>
</tbody>
</table>

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

**United States**
DuPont Packaging Graphics
Chestnut Run Plaza, Bldg. 702
974 Centre Road
Wilmington, DE 19805
800-345-9999

**Canada**
DuPont Packaging Graphics
1919 Minnesota Court
Mississauga, ON L5N 0C9
Canada
905-816-3238

www.cyrel.com/na

© 2014 DuPont. All rights reserved. The DuPont Oval Logo, DuPont™ and Cyrel® are registered trademarks or trademarks of E.I. du Pont de Nemours and Company or its affiliates.

All technical information set out herein is provided free of charge and is based on technical data, which DuPont believes to be reliable. It is intended for use by persons having skill, at their own discretion and risk. The handling precaution information contained herein is given with the understanding that those using it will satisfy themselves that their particular conditions of use present no health or safety hazards. Since conditions of product use are outside of our control we make no warranties express or implied in relation thereto and therefore cannot accept any liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under, or a recommendation to infringe any patents.