MAX Photopolymer Plates

MAXimum Print Quality Spanning a Broad Range of Package Printing.

MacDermid MAX is the newest and best performing hard, analog sheet photopolymer plate from MacDermid. It is designed to deliver the MAXimum print benefit – low dot gain in screen/process color printing with smooth ink lay down for bold solids.

MAX plates work well with a wide variety of substrates and ink. This 60 durometer plate has excellent drape characteristics, making it well suited for applications involving small-diameter cylinders on narrow web presses. MAX is also an extremely low tack plate, which allows long, clean running print performance.

For eye-popping highlights, from the smallest to largest repeat lengths, count on the company that innovates with you in mind. MacDermid.

KEY FEATURES
• Excellent drape
• Low dot gain
• High resilience for clean running
• Extremely low tack (dry) plate
• Quick imaging

SEGMENTS
• Flexible Packaging
• Tags and Labels
• Folding Carton
• Sacks, Paper, Multiwall
## Technical Specifications
MAX is available in thicknesses of 0.030” (0.76 mm) - 0.112” (2.84 mm) and in sizes up to 50” x 80” (1,270 mm x 2,032 mm). Please contact your MacDermid representative for details.

## Reproduction Capabilities

| Halftones: | 0.030-0.112” gauge (0.76 mm – 2.84 mm) |
| Fine lines: | 1-95% at 175 lpi (69 lines/cm) |
| Isolated dots: | 0.002 in. (0.05 mm) width |

## Plate Processing*
Use with SOLVIT® M100, SOLVIT® LO or SOLVIT® QD is recommended. Most other safe-solvent solutions may be used.

Processing times for any particular job are determined by equipment, copy requirements, and plate thickness.

## Recommended Processing Conditions*

<table>
<thead>
<tr>
<th>Gauge</th>
<th>Durometer</th>
<th>Desired Relief</th>
<th>Face Exposure</th>
<th>Washout</th>
<th>Dry Time</th>
<th>Post Exposure</th>
<th>Detack</th>
</tr>
</thead>
<tbody>
<tr>
<td>[mil/mm]</td>
<td>(Shore A)</td>
<td>(mil/mm)</td>
<td>(mJ/cm²)</td>
<td>(sec)</td>
<td>(J/cm²)</td>
<td>(min)</td>
<td>(sec)</td>
</tr>
<tr>
<td>30/0.76</td>
<td>84</td>
<td>23/0.58</td>
<td>0</td>
<td>0</td>
<td>5.2-7.9</td>
<td>330-490</td>
<td>240</td>
</tr>
<tr>
<td>45/1.14</td>
<td>78</td>
<td>23/0.58</td>
<td>560</td>
<td>35</td>
<td>5.2-7.9</td>
<td>330-490</td>
<td>300</td>
</tr>
<tr>
<td>67/1.70</td>
<td>71</td>
<td>27/0.68</td>
<td>660</td>
<td>42</td>
<td>5.2-7.9</td>
<td>330-490</td>
<td>360</td>
</tr>
<tr>
<td>107/2.71</td>
<td>63</td>
<td>30/0.76</td>
<td>1360</td>
<td>85</td>
<td>5.2-9.8</td>
<td>330-610</td>
<td>450</td>
</tr>
<tr>
<td>112/2.84</td>
<td>63</td>
<td>35/0.89</td>
<td>1360</td>
<td>85</td>
<td>5.2-9.8</td>
<td>330-610</td>
<td>450</td>
</tr>
</tbody>
</table>

*Contact your MacDermid representative for assistance in establishing proper processing conditions
1. Lamp intensity 16mW
2. Solvit QD washout times
3. Lamp intensity 17 mW
4. Lamp intensity 10 mW

## Ink/Solvent Compatibility
MAX plates have ink compatibility similar to natural rubber. Plates are compatible with water and alcohol based inks containing up to 25% acetate. MAX is not recommended for oil-based inks, hydrocarbon solvents, or inks with acetate ester content higher than 25%.

## Applications
MAX is an analog sheet photopolymer for use in labels, folding carton, multi-wall bag, preprinted liner, flexible packaging and other flexo markets that require a hard durometer plate.

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**MacDermid Graphics Solutions**

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