Jet Letterpress Series Photopolymer - Material Technical Data Sheet

Prepared for: Boxcar Letterpress; Syracuse, NY (Agent)  Date: July 17, 2014

Material: Jet Letterpress Series Photopolymer

Nomenclature: LSL-152-SB

Application: Flatbed Letterpress

Features: Laser Engravable, High Resolution, Non Cracking, Bio-Degradable Photopolymer Layer

Available Sizes:

- A-0 (A) 33.1” x 46.8” 10 Sheets / Case
- A-1 (S) 23.4” x 33.1” 10 Sheets / Case
- A-2 (C) 16.5” x 23.4” 10 Sheets / Case
- A-3 (C) 11.7” x 16.5” 20 Sheets / Case
- A-4 (C) 8.3” x 11.7” 20 Sheets / Case

Specifications:

- Thickness: .060” / 1.52 mm
- Face Relief: .047” / 1.20 mm • PVA (Polyvinyl Alcohol)
- Substrate: .013” / 0.32 mm • Steel Base
- Durometer: 80° Shore D Hardness
- Surface Texture: Non Matte

Processing:

- Main Exposure: 3:00 - 4:30 Minutes @ 720 mj/cm (350 nm)
- Shoulder Angle: 25° - 30°
- Resolution (inches/inches): 175 dpi @ 3%
- Minimum Isolated Dot (um): 200
- Maximum Isolated Dot (um): 40
- 21 Step Exposure Scale: 16-18
- Washout: 4:00 - 6:00 Minutes
- Bath Temperature: < 23° C / 72° F
- Dry: 20:00 - 30:00 Minutes in Convection Dryer
- Temperature: 70° - 75° C / 158° - 167° F
- Post Exposure: 5 - 6:00 Minutes

Effluent Data:

.0025 Square Meter of Jet Letterpress Series Plate in ONE LITER of water.

- PH = 6.0
- COD = 1941
- BOD = 44 Biochemical Demand

<table>
<thead>
<tr>
<th>Unit</th>
<th>MG / LITER</th>
<th>Unit</th>
<th>MG / LITER</th>
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</thead>
<tbody>
<tr>
<td>F - Fluoride</td>
<td>Less than 0.1</td>
<td>Cu - Copper</td>
<td>0.07</td>
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<tr>
<td>Hg - Mercury</td>
<td>Less than 0.0005</td>
<td>Zn - Zinc</td>
<td>0.04</td>
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<tr>
<td>Co - Cobalt</td>
<td>Less than 0.01</td>
<td>Mn - Manganese</td>
<td>Less than 0.01</td>
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<tr>
<td>Pb - Lead</td>
<td>Less than 0.05</td>
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Note: You may filter waste water before discharging into local sewer. Use a Sub-Micron mesh filter. Dry filtered waste and dispose in refuse. Consult Local Authorities for Regulations in your Area.

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