Jet Pattern Series Photopolymer - Material Technical Data Sheet

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

Material: Jet Pattern Series Photopolymer
Nomenclature: LSL-175-HSB
Application: Pattern / Embossing / Molding / Rubber Stamp
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 (S) 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

Terms:
- Sizes Subject to Availability
- Prices Quoted are Discounted & Based on Account Payables Status
- Broken Cases Revert to List Price
- 25% Restocking Fee
- (C) Converting Fee Applies
- Prices Subject to Change

Specifications:
- Thickness: .069" / 1.75 mm
- Face Relief: .056" / 1.43 mm • PVA (Polyvinyl Alcohol)
- Substrate: .013" / 0.32 mm • Steel Base
- Durometer: 90° 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): 150 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: 30:00 - 40:00 Minutes in Convection Dryer
- Temperature: 80° C / 176° F
- Post Exposure: 5 - 6:00 Minutes

Effluent Data:
- .0025 Square Meter of Jet Pattern 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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