



Jet Intaglio Series Photopolymer - Material Quotation & Technical Data Sheet

Prepared for: Mountain Intaglio LLC; Asheville, NC Date: October 14, 2018

Material: Jet Intaglio Series Photopolymer

Nomenclature: **LSL-73-SP**

Application: Intaglio Printing

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

Available Size(s):

A-0	(S)	33.1" x 46.8"
A-1	(S)	23.4" x 33.1"
A-2	(C)	16.5" x 23.4"
A-3	(C)	11.7" x 16.5"
A-4	(C)	8.3" x 11.7"

Specifications:

Thickness:	.029" / 0.73 mm
Face Relief:	.019" / 0.47 mm ▪ PVA (Polyvinyl Alcohol)
Substrate:	.010" / 0.26 mm ▪ Steel Base
Durometer:	80° Shore D Hardness
Surface Texture:	Non Matte

Processing:

Aquatint Screen Exposure:	1:00 – 2:00 Minutes @ 720 mj/cm (350 nm)
Main Exposure:	1:00 – 2:00 Minutes @ 720 mj/cm (350 nm)
Resolution (inches/inches):	150 dpi @ 3%
Minimum Isolated Dot (um):	200
Maximum Isolated Dot (um):	40
21 Step Exposure Scale:	16-19
Washout:	3:30 – 4:30 Minutes
Bath Temperature:	< 23° C / 72° F
Dry:	30:00 - 40:00 Minutes in Convection Dryer
Temperature:	65 ° - 80 ° C / 149 ° - 176 ° F
Post Exposure:	5:00 Minutes

Effluent Data: .0025 Square Meter of Jet Intaglio Series Plate in ONE LITER of water.

PH = 6.0	COD = 1941	BOD = 44 Biochemical Demand	
<u>Unit</u>	<u>MG / LITER</u>	<u>Unit</u>	<u>MG / LITER</u>
F - Fluoride	Less than 0.1	Cu - Copper	0.07
Hq - Mercury	Less than 0.0005	Zn - Zinc	0.04
Co - Cobalt	Less than 0.01	Mn - Manganese	Less than 0.01
Pb - Lead	Less than 0.05		

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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