

+ Liquid Selection Guide

North and South America Resins



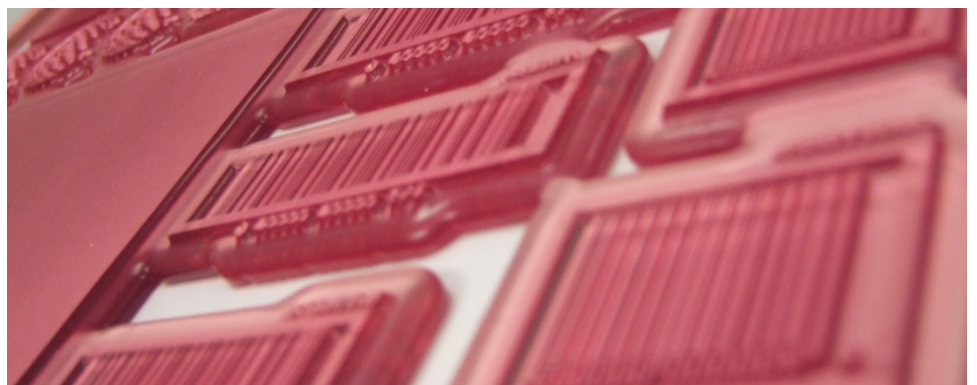
Creating Solutions that Flex

From the global leader in liquid photopolymer and technology comes M-System™, the most comprehensive process for liquid polymer platemaking available. From prepress to platemaking, to press to package, look to MacDermid and its dedicated team of industry experts to meet your current and future demands. M-System delivers market leading resins, state-of-the-art equipment, efficiency improvements, film replacement options and unparalleled service from our team of qualified, focused, experienced specialists.

MacDermid Graphics Solutions offers a broad line of liquid photopolymer products and provides an unbeatable combination of exceptional value and quality to the flexographic printer. Liquid Platemaking is well suited for the following applications: corrugated post-print, wide-web paper, single and multi-wall bags, sandcasting for bronze molding, hand stamp marking devices, envelopes and cups. Using liquid platemaking in your operation has a significant number of environmental advantages as well. Liquid I-Plates allow for the reclaim or reuse of the uncured resin, which in many cases is 50% or more of the resin cast per plate.

MacDermid Graphics Solutions pioneered the development of liquid In-Position "I-Plate" technology. LTL is our flagship liquid product and the standard by which all other corrugated liquid resins are measured. LTL has a time-tested, 20-year track record that is beyond comparison to any other liquid corrugated resin on the market.

MacDermid now has three times the capacity with the investment of a new liquid line in Morristown, TN. When you're looking for a high-performance liquid platemaking solution backed by a team of experts, count on the company that you have come to trust for years, MacDermid Graphics Solutions.



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	Market Segment	Color	Features	Gauge (mils)	Durometer	Tone Range
LTL	Corrugated	Red	UV/Storage stable Highly resilient, clean running Extremely durable Excellent ink transfer	.112 - .280	32 Shore A	3-95%, 85 lpi
LTS	Corrugated	Red	UV/Storage stable Highly resilient, clean running Excellent ink transfer Low durometer for improved solids coverage	.112 - .280	25 Shore A	3-95%, 65 lpi
M Cap 45	Capping Resin	Clear	Improved tonal range, deeper reverses Reduction in dot gain and fluting when used with LTL or LTS	.004 - .007	45 Shore A	2-95%, 100 lpi (with LTL)
M Cap 55	Capping Resin	Red	Improved tonal range, deeper reverses Reduction in dot gain when used with MWH	.004 - .007	55 Shore A	2-95%, 175 lpi (with MWH)
MWH	Wide-Web Paper	Pink	Extremely durable Excellent imaging, ink transfer Optional GPX finishing	.045 - .112	50 Shore A	2-95%, 150 lpi Without cap
M Stamp 50	Wide-Web Paper, Coating, bronze/sandcasting, Hand Stamp	Clear	Swell resistant Highly durable Low tack	.067 - .125	50 Shore A	2-90%, 85 lpi
M Clear-1	Hand Stamp	Crystal Clear	UV Stable: Highly resistant to yellowing	.067 - .140	40 Shore A	N/A

	Description	Physical	Features
M Clean Detergent	Surfactant	Amber Liquid	Efficiently removes uncured resin from plate surface Extended bath life Easily incorporates into batch or feed & bleed systems
M Clean Developer	Developer	Clear Liquid	Prevents resin redeposition on plate during washout Conditions water to reduce hardness variation
M Clean Defoamer	Defoamer	White Liquid	Reduced foam knock-down time
M Clean PX	Post-Exposure Salt	White Powder	Oxygen scavenger to reduce plate tack during underwater post-exposure step
M Film Clear	Clear Coverfilm	70 gauge	High optical clarity for optimum imaging
M Film Matte	Matte Coverfilm	70 gauge	Matte finish: easy release from resin during removal Imparts surface texture to plate for improved solids
M Strate	Adhesive-coated substrate	4, 7 and 10 mil	Excellent adhesion for all plate types, including masked plates Low yellowing