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A2LA Accredited ISO/IEC 17025:2005 Certificate # 2558.01

422 Pre-Etch

Accu-Labs 422 Pre-Etch is a solvent solution that is diluted with DI water and is designed to surface swell polycarbonate and other engineering resins. Used in process with chromic sulfuric acid etches **Accu-Labs 422** produces homogenous, stress-free surfaces for subsequent electroless plating on plastic and EMI/RFI shielding applications.

OPERATING GUIDELINES

Concentration:	50-75% **Accu-Labs 422** by volume with DI water
Temperature:	75-125°F (varies with application)
Dwell Time:	3-10 minutes (varies with application)
Agitation:	Mild solution or mechanical DO NOT USE AIR
Filtration:	Recommended 5-10 micron

EQUIPMENT

Tanks:	304 Or 316 Stainless Steel
Heating Elements:	304 Or 316 Stainless Steel DO NOT USE QUARTZ
Ancillary Equipment:	304 or 316 Stainless Steel
Ventilation:	Recommended

MAKE-UP

1. Fill tank 20% full with DI water
2. Slowly add required amount of **Accu-Labs 422** with mild agitation
3. Add DI water to bring solution to working level and mix thoroughly without splattering solution.
4. Heat to operating temperature if necessary.

CONTROL

Accu-Labs 422 working baths are best maintained by replenishment of proportional amounts of 422 and DI water due to drag out during processing of parts. Monitoring of specific gravity (using a properly calibrated gram scale) is typically the most useful tool in establishing replenishment schedules. A starting point of 60% by volume of 422 to DI water is typical. However, it is recommended to perform beaker testing of various substrates to establish baseline data for subsequent production requirements.

SAFETY

Accu-Labs 422 solutions contain glycol ethers, read and review the Material Safety Data Sheets for the appropriate health and safety warnings before use. Use protective gear to avoid any contact when handling or working with this product; store away from heat and ignition sources.

DISCLAIMER

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