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PRODUCT BULLETIN

T-9038 Thinner

Product Description

T-9038 is a highly purified thinner, filtered through a 0.2 absolute filter and controlled to less than 0.5 ppm sodium. It is designed to provide excellent processing properties without unusual handling problems.

Typical Use

T-9038 thinner is used to reduce viscosity and solids content of HD MicroSystems solutions to obtain desired film thickness. For example, diluting 1 part PI-2555 with 2 parts T-9038 yields 1500A films on a 3" silicon wafer spun at 5000 rpm.

The thinned solution should be allowed to age 12 hours at 70° F before use. This time is needed for the solution to reach equilibrium conditions. T-9038 does not need to be stored in a refrigerator, but mixed solutions should be stored in a refrigerator after the initial 12-hour room temperature aging period.

T-9038 is hygroscopic so it is critical that mixed solutions be brought to room temperature before opening the container, to avoid moisture and condensation. Moisture can attack and degrade the polyamic acid polymer in the HD MicroSystems formulations.

Product Specifications

Test	T-9038
Water (%)	<0.06
Solvent System	>99.5 % N-Methyl-2-Pyrrolidone
Chloride Content (ppm max)	4.0
Sodium Content (ppm max)	0.5
Potassium Content (ppm max)	0.3
Iron Content (ppm max)	0.3
Copper Content (ppm max)	0.3
Total Metals (ppm max)	10
Filtration	0.2 micron absolute

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Caution: Do not use in medical applications involving permanent implantation in the human body.