

## Guaranteed Customer Specification

### Description

AdvantEdge 400 TF is designed for high volume production of printed circuit boards. It offers excellent line width control, elimination of slivering, consistent etch rates and superior undercut protection. The relatively low operating pH of AdvantEdge 400 TF increases the ability of typical resists to withstand the tendency to soften or lift. As indicated by the initials "TF", all this is achieved without the addition of thiourea.

AdvantEdge 400 TF is designed for use in conveyORIZED spray etching equipment having thermostatic temperature controls and proper ventilation. The venting system must be capable of creating a slight negative pressure in order to confine ammonia fumes to the etch chamber.

### AdvantEdge 400 TF

	<u>Units</u>	<u>Minimum</u>	<u>Maximum</u>
Ammonium Chloride	g/l	214	246
pH	SU	9.7	9.9
Total Alkalinity	g/l	385	415
Trace Copper	ppm	-	70