

How do I increase the etch rate?

How do I reduce the etch rate?

Do I need to dilute the etchant?

How do I reduce undercutting?

Appearance

pH

Etch Rate at 25 oC

At 40 oC

Etch Capacity (rate declines at ~70%)

Shelf Life

Storage Conditions

Filtration

Recommended Operating Temperatures

Rinse

Photoresist Recommendations

Select Compatible Materials

Select Incompatible Materials

Compatible Plastics

Country of Origin

Availability

Available Sizes

Packaging

Packing

Isotropy

Incompatible Chemicals

Additional Information

1. The rate will approximately double with every 10 oC increase in temperature.

2. Increase the rate of stirring or agitation.

Adding 1 part deionized water to 2 parts etchant will reduce the etch rate approximately 50%.

No, it is ready to use.

Increase the rate of stirring or agitation.

Water-white to light yellow

Strong Acid

40 Å/second

125 Å/second

60 g/gallon

1 year

Ambient

0.2 mm

20-80 oC (30-40 oC most common)

Deionized water; may be followed by alcohol rinse if desired.

KLT 6000 Series, TRANSIST, PKP II

<http://transene.com/semi/#photo>

Silicon oxide, gold

See <http://transene.com/etch-compatibility/> for more details.

Aluminum oxide, silicon nitride

HDPE, PP, Teflon, PFA, PVC

USA

Stock item

Quart, Gallon, 5 Gallon, 55 Gallon

HDPE

4 gallons/case

Isotropic

Strong Bases

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