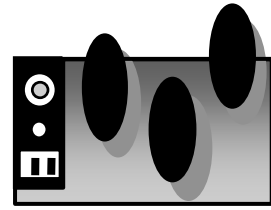


VECTOR HTE Series

Surface modifying Additives for Caustic Etching of Silicon

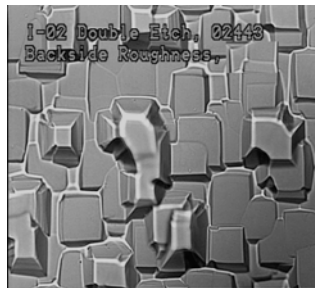


Etching

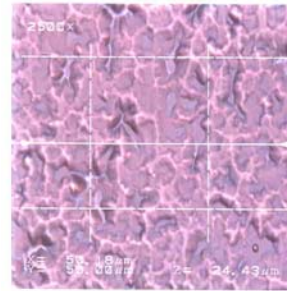
Description

VECTOR HTE Series are application specific formulations designed to dramatically improve the surface morphology of silicon wafers after caustic etching. Baseline data shows a 30% reduction in Ra and Rmax compared to measurements obtained using a caustic etch process without the addition of the surface modifier. Another important benefit is VECTOR HTE 's ability to change the surface from a faceted surface to a non-faceted surface (see pictures below). Each of these benefits are obtained together and without detrimentally effecting the superior wafer geometry offered through caustic etching. Have an Intersurface Dynamics applications engineer specify the correct HTE Series product for your specific process.

(without VECTOR HTE)



(with VECTOR HTE)



Benefits

- ⇒ Improved Ra and Rmax
- ⇒ Improved, non-faceted surface
- ⇒ Excellent wafer geometry
- ⇒ Easier to clean wafers
- ⇒ Non-Hazardous
- ⇒ Manufactured by IDI, the leading supplier of application specific chemicals for the silicon industry

Directions

Add 1 part VECTOR HTE to 1 part KOH (48% sol.) Operate @ 80° C. When using other combinations of temperature and/or KOH please consult with IDI's applications engineer for the correct VECTOR HTE Series Product.

Additional Information

VECTOR Products are available in 5-gallon pails and 55-gallon drums, F.O.B. Bethel, Connecticut, and also include: grinding fluids, sawing fluids, lapping/polishing vehicles and rinse/wash agents. Material Safety Data Sheets are available upon request.

Manufacturer: **INTERSURFACE DYNAMICS, Inc.**
 Supplier: **N. BUCHER AG**, Pfadackerstrasse 9, 8957 Spreitenbach/Switzerland
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