

### High-Performance Specialty Products

*Epoxy Adhesives - Molded Polymer Substrates - Formulated Detergents*

#### Coring & Cropping

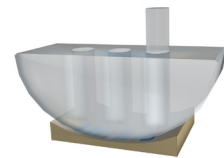
**VALTRON AD1339-A & AD3939-B**  
Epoxy Mounting Adhesive

Two-component temporary adhesive securely bonds sapphire crystal and SiC ingots to polymer mounting beams for the coring process. Rapid bond strength and cure time.



**VALTRON AD4010-A & AD4015-B**  
Heat Release Epoxy System

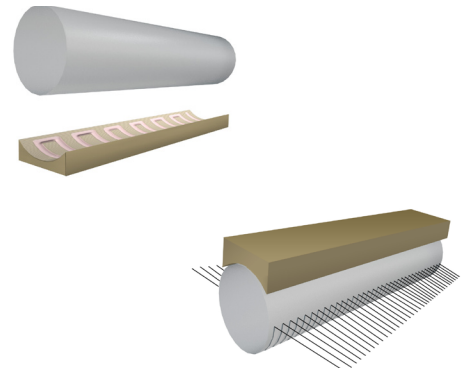
Two-component heat release adhesive securely bonds cored sapphire crystal and SiC rods to polymer mounting beams for rough end cropping. Easily debonds from crystalline rods with hot water or detergent solution.



#### Wafering

**VALTRON AD1238-A & AD3846-BR**  
Epoxy Mounting Adhesive

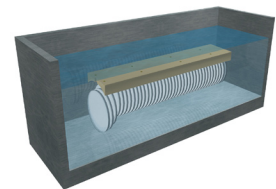
Two-component temporary adhesive securely bonds sapphire crystal and SiC rods to polymer mounting beam and wire saw base plates for precision wafer slicing. Fast bond strength and easily removed from sliced wafers with hot water or detergent solution.



#### Cleaning

**VALTRON SP2200**  
Pre-Lapping Wafer Cleaning  
Detergent

Economical, high-purity, alkaline detergent effectively cleans LED wafers prior to the lapping process. Removes slurry, particulates and residual adhesives. Processed through 0.2 micron filtration, excellent cleaning and rinsability.



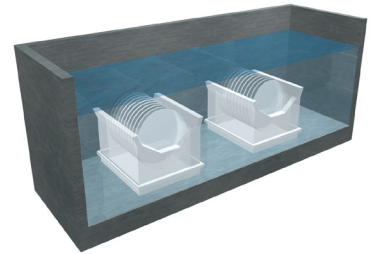
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## Cleaning

### VALTRON SP2560

High Temperature Wafer Cleaning  
Detergent

High-purity, high-strength alkaline detergent can be used as an alternative to highly caustic KOH solutions. Effective for use in high temperature cleaning systems for removing slurry, particulates and residual adhesives. Processed through 0.2 micron filtration.



## Final Cleaning

### VALTRON DP188

Wafer Polishing Slurry Removal  
Detergent

High-purity, low surface tension alkaline detergent quickly and effectively removes colloidal silica (SiO<sub>2</sub>) and polycrystalline diamond polishing slurries and other contaminants. Processed through 0.2 micron filtration. Leaves no residue after rinsing.



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