



PLANARCLEAN® AG W100 FORMULATED SOLUTIONS

For advanced W post-CMP process

Overview

PlanarClean® AG W100 formulated solution provides one-step, superior cleaning in advanced processes while protecting the underlying thin films and materials. Its proprietary formulation offers increased performance through enhanced reliability and yield, low to zero corrosion and defects and increased queue time. In addition, PlanarClean AG W100 provides a cost-of-ownership advantage by reducing the amount of chemistry required in the cleaning step as well as eliminating additional wet chemical step processing, a direct saving on chemical and equipment investment. PlanarClean AG W100 meets the latest Environmental Health and Safety (EHS) requirements for fab chemistries. PlanarClean AG W100 comes in 55-gallon HDPE drums with built-in diptubes for easy and convenient dispense. The HDPE drums and PlanarClean chemistry are compatible, resulting in longer chemistry shelf-life.

PlanarClean AG W100 is produced and packaged in-house at Entegris' state-of-the-art manufacturing facilities in the U.S. and Asia.

Features and Benefits

- Designed to provide superior cleaning without damaging advanced films or new materials
- Excellent removal of particles and metal contamination in one-step clean
- Increased performance through enhanced reliability and yield
- Low to zero corrosion and defects on W surface
- Low to zero defect on major surfaces including W and SiN
- Compatible with major consumables
- Meets EHS requirements for fab chemistries
- Low cost of ownership with low chemistry consumption
- Shelf life of one year

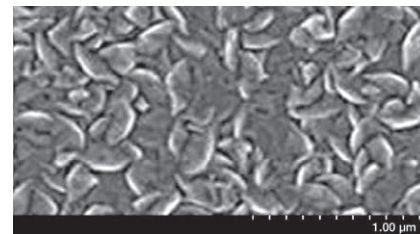
Applications

- W post-CMP process

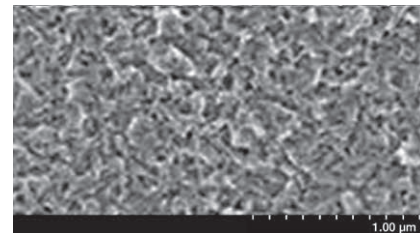
Performance Data

PlanarClean AG W100 Shows No W Bulk Corrosion or Etching

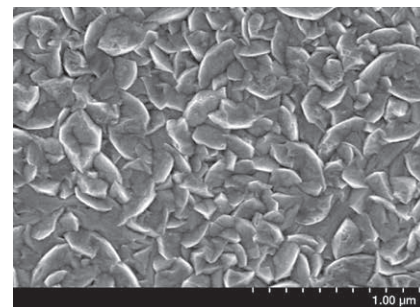
W CONTROL



ETCHED W SURFACE



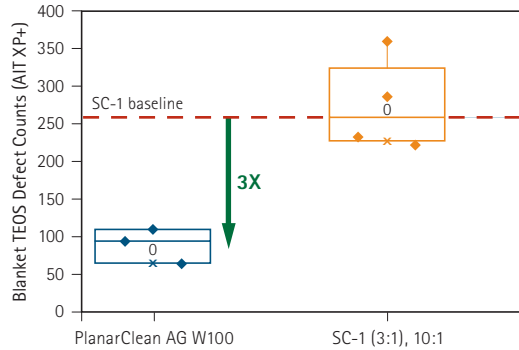
PLANARCLEAN AG W100



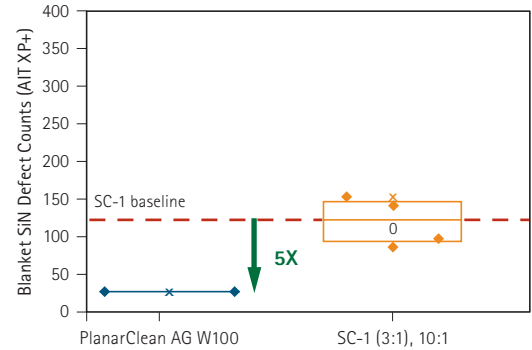
No visible etching of Tungsten

Comparison of Defect Counts on 8" TEOS and SiN Wafers After Cleaning

PLANARCLEAN AG W100 VERSUS SC-1

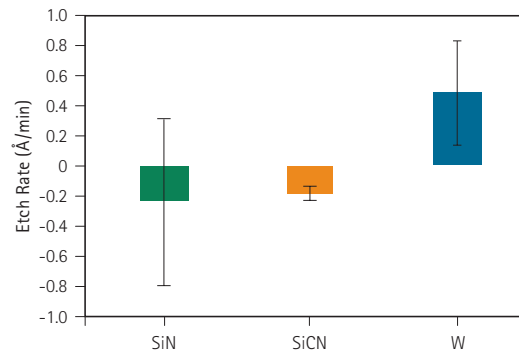


The defect on TEOS with PlanarClean AG W100 is better (3X) than SC-1.



The defect on SiN with PlanarCleanAG W100 is better (5X) than SC-1.

Significant Defect Reduction on Various Films Compared to Standard Clean with Zero Attack



For More Information

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit www.entegris.com and select the Customer Service link for the center nearest you.

Terms and Conditions of Sale

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