

Technical Data Sheet



CERIUM OXIDE SLURRIES FOR DIELECTRIC CMP OXIDE REMOVAL

Ferro is a leading global manufacturer of optimized high-purity cerium oxide-based polishing slurries designed to deliver optimal bulk oxide removal in dielectric CMP (chemical mechanical planarization) applications.

TruPlane® 1631

DESCRIPTION

TruPlane® 1631 is a fast oxide slurry used in applications such as 3D NAND and MEMS where large amounts of oxide removal are required. It is comprised of an engineered ceria particle and a novel accelerant optimized to give high removals with a small Dmean for superior defectivity, and is dilutable depending upon process requirements.

We offer a wide range of cerium oxide aqueous slurries that achieve optimal dielectric CMP oxide removal rates, resulting in decreased cost of ownership and increased productivity using existing equipment and space. Tightly controlled particle distribution and LPCs (large particle counts) ensure low-defectivity polishing.

FEATURES AND BENEFITS

- Novel chemical accelerants provide the fastest removal rates on the market.
- Stop on Nitride additive available.
- Stop on Poly additive available.

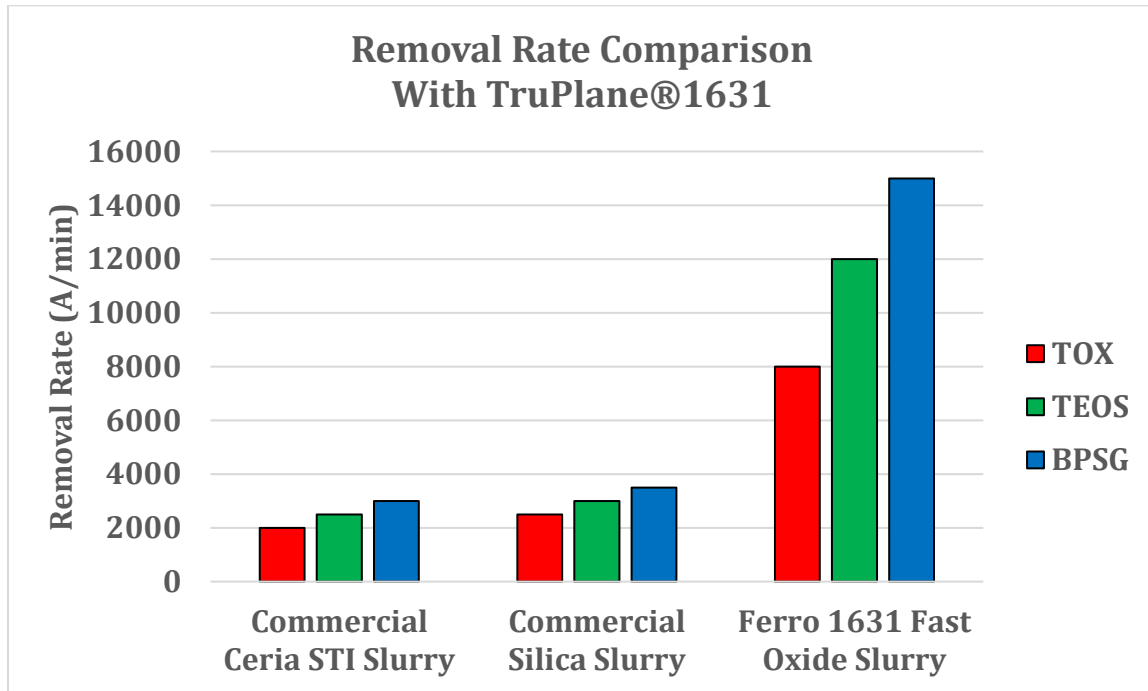
TYPICAL PHYSICAL PROPERTIES:

- Appearance White Slurry
- pH 3.3
- Ceria 6%
- Dmean 140
- Zeta Potential +ve

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Performance



- **Packaging:** 2.5 Gallon container, 55 gallon drum, 330 gallon tote
- **Freezing:** For best performance avoid freezing of product.
- **Cautions:** Refer to Safety Data Sheet

Limitation of Warranty and Liability

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