

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® 1731

DESCRIPTION

TruPlane® 1731 is a fast oxide slurry used in applications such as 3D NAND and MEMS where large amounts of oxide removal are required. It is the next generation product following the TruPlane® 1631. 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.

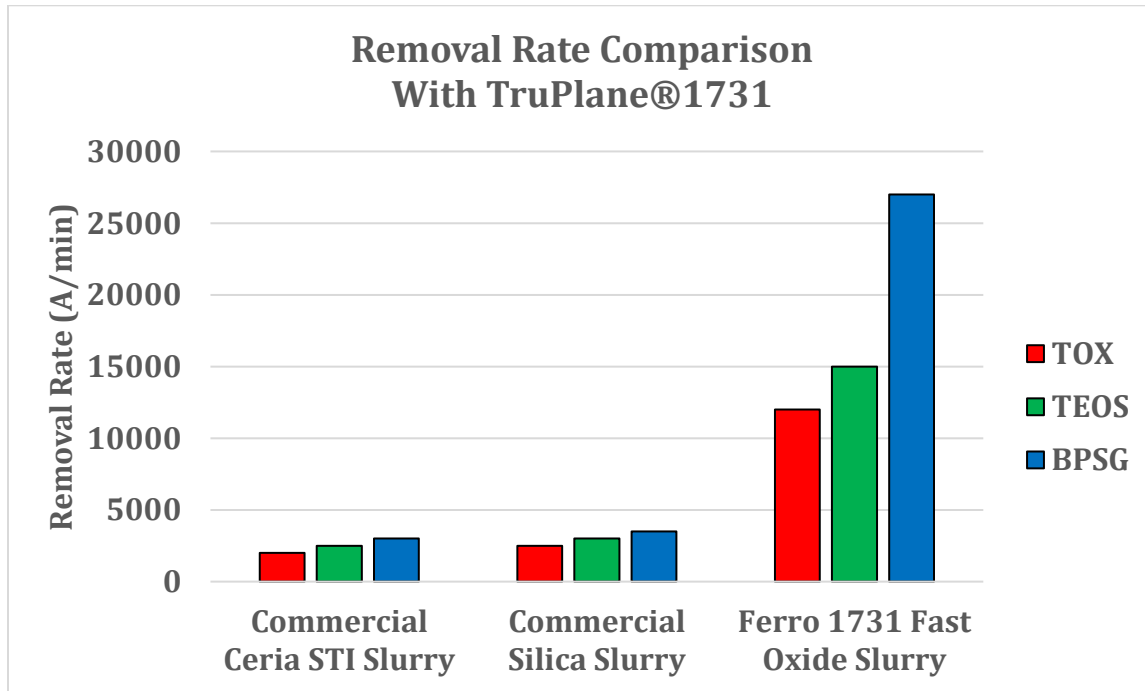
TYPICAL PHYSICAL PROPERTIES:

- Appearance White Slurry
- pH 4.0
- Ceria 6%
- Dmean 140
- Zeta Potential +ve

CERIUM OXIDE SLURRIES FOR DIELECTRIC CMP OXIDE REMOVAL

TruPlane® 1731

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

Ferro believes that the information contained in this document is accurate at the time of its publication. Ferro makes no warranty with respect to the information contained in this document. The information in this document is not a product specification, either in whole or in part. Your use of the information contained in this document and your purchase and use of this Ferro product are at your sole discretion. Downstream users are responsible for determination of the suitability of this product and for testing in specific applications. Nothing in this document shall be construed as a license for use that infringes upon any property rights of any third party. Please refer to the Safety Data Sheet (SDS) for safe use, handling and disposal information. All sales by Ferro to you are subject to Ferro's Terms and Conditions of Sale, as amended from time to time and available at www.ferro.com. In the event this document conflicts with Ferro's Terms and Conditions of Sale, Ferro's Terms and Conditions of Sale shall control.