

Technical Data Sheet



CERIUM OXIDE SLURRIES FOR STI CMP

Ferro offers a range of STI (shallow trench isolation) CMP solid state slurries from the 65nm node to 14nm and below.

Truplane® 2303

DESCRIPTION

The Truplane® 2303 is designed for the 14nm and below. These products combine optimized particle science with novel accelerants to provide a fast removal rate with the lowest solids content allowing a lower downforce and resulting in low defectivity with the best cost of ownership.

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

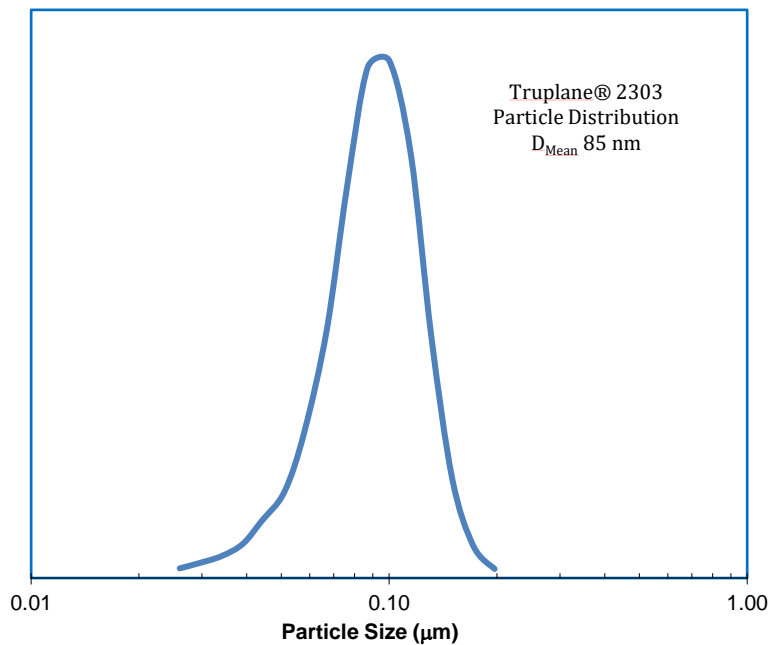
- Novel chemical accelerants provide the fastest removal rates on the market.
- Novel chemical accelerants provide the lowest solids content at POU for lowest defectivity and lowest cost.
- Stop on Nitride additive available.
- Stop on Poly additive available.
- Extremely wide over-polish window with minimal trench loss

TYPICAL PHYSICAL PROPERTIES:

- Appearance White Slurry
- pH 4.0
- Ceria 3%
- Dmean 80
- Zeta Potential +ve

Truplane® 2303

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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