



UOX Beryllium Oxide Powder

This specification defines a uniform, high purity beryllium oxide powder which will sinter to a high density when formed by conventional ceramic techniques.

CHEMICAL COMPOSITION

Standard Element Specification	Sulfur	Aluminum	Calcium	Iron	Magnesium	Silicon	Sodium
Wt% Maximum (BeO Basis)	0.15						
PPM Max		100	50	100	30	100	50

PHYSICAL PROPERTIES

Loss on Drying maximum % (by weight)	Loss on Ignition, after drying maximum % (by weight)	Surface Area (M ² /gram)
1.0	1.0	8.2-12.7

STANDARD MAKING

- Materion Brush Inc.
- (MBI) Lot Number
- Specification Number
- Purchase Order Number
- **WARNING:** Beryllium

SAFETY & ENVIRONMENTAL

Processing Beryllium oxide ceramics poses a health risk if safe practices are not followed. Inhalation of airborne beryllium can cause serious lung diseases in some individuals. Occupational safety and health regulatory agencies worldwide have set mandatory limits on occupational respiratory exposures. Read and follow the guidance in the Safety Data Sheet (SDS) before working with this material. The SDS and additional important beryllium health and safety information and guidance can be found at berylliumsafety.com, berylliumsafety.eu and Materion.com. For questions on safe practices for beryllium oxide ceramics, contact the Materion Product Stewardship Group at +1.800.862.4118 or contact us by email at Materion-PS@Materion.com.

SIGNED INDEMNIFICATION CERTIFICATION REQUIRED WITH ORDER.