

UOX Beryllium Oxide Powder

Effective Date: October 10, 2012

Rev. B

1. SCOPE

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

2. CHEMICAL COMPOSITION

2.1 Standard Element Specification

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

3. PHYSICAL PROPERTIES:

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

4. STANDARD MARKING

Materion Brush Inc. (MBI)

Lot Number

Specification Number

Purchase Order Number

WARNING: Beryllium

5. SAFETY / ENVIRONMENTAL

Handling Beryllium Containing Material in solid form poses no special health risk. Like many industrial materials, beryllium-containing materials may pose a health risk if recommended safe handling practices are not followed. Inhalation of airborne beryllium may cause a serious lung disorder in susceptible individuals. The Occupational Safety and Health Administration (OSHA) has set mandatory limits on occupational respiratory exposures. Read and follow the guidance in the Material Safety Data Sheet (MSDS) before working with this material. For additional information on safe handling practices or technical data on Beryllium Containing Material, contact Materion Brush Beryllium & Composites, EH&S Product Steward @ 216-383-4040

SIGNED INDEMNIFICATION CERTIFICATION REQUIRED WITH ORDER.

BRUSH BERYLLIUM & COMPOSITES

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