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Certified to ISO 9001 & 14001

PURE TUNGSTEN METAL POWDER MATERIAL DATA SHEET

The chemical composition complies with ASTM requirements for powder lot analysis. Actual finished part chemical analysis and mechanical properties are not routinely evaluated per ASTM requirements. ASTM specifications and test methods are used as guidelines to control and monitor our processes to assure product quality. Applicable ASTM Material Standard: **none.**

This product meets the requirements of low copper and mercury-free materials.

| CHEMICAL COMPOSITION | | | | |
|----------------------|--------------|-----|-------------|--|
| W:(excluding gasses) | 99.95% Min. | Mo: | 50 PPM Max. | |
| AI: | 20 PPM Max. | Na: | 20 PPM Max. | |
| Cr: | 20 PPM Max. | Ni: | 40 PPM Max. | |
| Cu: | 10 PPM Max. | O: | 0.2% Max. | |
| Fe: | 50 PPM Max. | Si: | 20 PPM Max. | |
| K: | 100 PPM Max. | | | |

TYPICAL PHYSICAL PROPERTIES

| Typical Physical Properties | 323510135000 (UB) | 323510134800 (UX) |
|-----------------------------|-------------------|-------------------|
| Fisher APS | 3.2 – 4.2 μm | 2.5 – 3.5 μm |
| Scott Density | 60 – 80 g/in3 | 47 – 67 g/in3 |
| Tap Density | 5 – 7.5 g/cm3 | 4.4 – 6.0 g/in |
| Sifted Mesh | -150 mesh | -150 mesh (Tyler) |
| | (<105 microns) | (<105 microns) |

All other elements are contained at <20 ppm. All products are compliant with EU RoHS Directive 2002/95/EC.

Data Sheet - Pure Tungsten Metal Sales Powder

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