

## **PURE MOLYBDENUM METAL POWDER** **MATERIAL DATA SHEET**

Elmet Technologies manufactures high quality molybdenum metal powders for use in mill products, electrical contacts, sputtering targets, thermal spray coatings, and metal injection molded products.

### **TYPICAL PHYSICAL PROPERTIES AND OXYGEN CONTENT**

Grade	MO 4
FSSS particle size, as-supplied	3.0 – 5.0
Scott density, g/in <sup>3</sup>	15 – 25
Tap density, g/cm <sup>3</sup>	2.0 – 3.0
Screen size	-250 mesh
Oxygen content, wt. %	0.1

Particle size distribution by laser scattering is available on request.

### **CHEMICAL COMPOSITION EXCLUDING GASES**

Mo	≥ 99.95 wt%	K	≤ 50 ppm
Al	≤ 50 ppm	Na	≤ 20 ppm
Cr	≤ 20 ppm	Ni	≤ 50 ppm
Cu	≤ 10 ppm	Si	≤ 50 ppm
Fe	≤ 50 ppm	W	≤ 300 ppm

All other metallic elements are contained at ≤ 20 ppm.

The chemical and physical properties for each production lot are determined by using commercially accepted methods and are reported to the customer on a Certificate of Analysis.

All material is packed in polyethylene bags inside of 3.5 gallon pails (up to 50 kg per container).

Alternative packaging is available.

All products are compliant with EU RoHS Directive 2002/95/EC and with REACH Regulation (EC) No. 1907/2006.

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