

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 ³ | 15 – 25 |
| Tap density, g/cm ³ | 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.

www.elmettechnologies.com