



## MOLYBDENUM POWDER PRODUCTS

# PURE MOLYBDENUM MIMP Powder

Highly deagglomerated high purity molybdenum powder for any applications requiring the mostly finely deagglomerated powders like paste or metal injection molding applications.

### CHEMICAL CHARACTERISTICS<sup>1</sup>

(Mass fraction in % [cg/g]; ppm [ $\mu\text{g/g}$ ])

<b>Mo</b> (excluding gases)	<b>Type I</b> min. <b>99.95 %</b>	<b>Type II</b> min. <b>99.8 %</b>
O	max. 0.250 %	max. 0.300 %
Cr	max. 0.005 %	max. 0.010 %
Fe	max. 0.010 %	max. 0.020 %
Mg	max. 0.001 %	max. 0.002 %
Ni	max. 0.005 %	max. 0.020 %
Si	max. 0.003 %	max. 0.025 %
Sn	max. 0.003 %	max. 0.008 %

### PHYSICAL CHARACTERISTICS

	<b>Type I</b>	<b>Type II</b>
<b>Fisher Number</b> (as supplied)	3.5 – 5.5 $\mu\text{m}$	1.5 – 3.0 $\mu\text{m}$
<b>Particle Size Distribution<sup>2</sup></b>		
D 50 %	4 – 8 $\mu\text{m}$	2 – 5 $\mu\text{m}$
D 99 %	< 20 $\mu\text{m}$	< 14 $\mu\text{m}$
<b>Apparent Density<sup>3</sup></b>	2.0 – 3.5 g/cm <sup>3</sup>	1.5 – 2.5g/cm

<sup>1</sup> Information on testing methods on request. <sup>2</sup> Laser Light Diffraction per ASTM C 1070 <sup>3</sup>SCOTT VOLUMETER per ASTM B 329.

## **PACKAGING**

The molybdenum powder is shipped in non-returnable polyethylene-lined 20 l (5 gallon) plastic pails or 60 l (15 gallon) steel drums. Special packaging inquiries welcome.

## **STORAGE AND HANDLING**

Storage and handling are subject to the rules and regulations in the country of use.

**Hazards identification in Advertising (Directive 67/548/EEC Article 26, Directive 1999/45/EC Article 13 and REGULATION (EC) No 1272/2008 Article 48) none.**



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