

MOLYBDENUM POWDER PRODUCTS

Number PD-8010
 Issue 0-18.03.2009

MOLYBDENUM METAL POWDER

Mo (99.95 %)

Chemical Formula	Mo
Chemical Name	Molybdenum Metal Powder
Description of Product	Grey metal powder. Sieved
Typical Applications	The production of pressed and sintered Mo or Mo alloy parts. Also used to produce blended alloy powders.
Grades Available	Product Designation Molybdenum Metal Powder 3.5 – 4.5 µm (MoMP 3.5 – 4.5 µm) Molybdenum Metal Powder 4.5 – 5.5 µm (MoMP 4.5 – 5.5 µm)

Chemical Characteristics¹⁾
 (Mass fraction in % [cg/g]; ppm [µg/g])

	Limit
Mo (excluding gases)	min. 99.95 %
Cr	max. 0.0050 % (50 ppm)
Fe	max. 0.0050 % (50 ppm)
K	max. 0.0060 % (60 ppm)
Mg	max. 0.0010 % (10 ppm)
Ni	max. 0.0020 % (20 ppm)
Si	max. 0.0030 % (30 ppm)
Sn	max. 0.0030 % (30 ppm)
O	max. 0.1000 % (1000 ppm)

Physical Characteristics

	MoMP 3.5 – 4.5 µm	MoMP 4.5 – 5.5 µm
Fisher number (as supplied)	3.5 - 4.5 µm	4.5 - 5.5 µm
Screening Fraction ²⁾ >63µm (-230 mesh)	max. 0.5 %	max. 0.5 %

Other screening fractions are available upon request.

150 µm (-100 mesh)
 75 µm (-200 mesh)

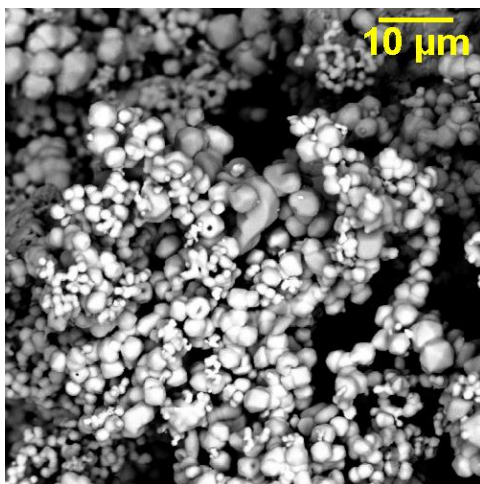
Please contact your sales representative or the HCST Coldwater MI USA facility to learn more.

1) Information on testing methods on request, 2) Sieve Analysis per ASTM B 214.

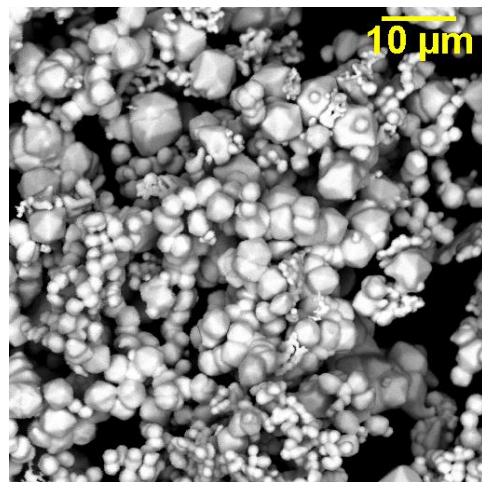
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Grades Available

Product Designation	Screening Fraction	Product Number
MoMP 3.5 – 4.5 µm	-63µm (-230 mesh)	01046614
MoMP 4.5 – 5.5 µm	-63µm (-230 mesh)	01046615



Typical structure of MoMP 3.5 – 4.5µm



Typical structure of MoMP 4.5 – 5.5µm

Packaging

The molybdenum powder is shipped in non-returnable polyethylene-lined 20 liter (5 gallon) plastic pails or 60 liter (16 gallon) steel drums. Special packaging inquiries are 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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