

MOLYBDENUM POWDER PRODUCTS

Number PD-8009
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PURE MOLYBDENUM MIMP Powder

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

Chemical Characteristics¹⁾

(Mass fraction in % [cg/g]; ppm [μ g/g])

	Type I	Type II
Mo (excluding gases)	min. 99.95 %	min. 99.8 %
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

	Type I	Type II
Fisher Number (as supplied)	3.5- 5.5 μ m	1.5- 3.0 μ m
Particle Size Distribution ²⁾		
D 50 %	4 - 8 μ m	2 - 5 μ m
D 99 %	<20 μ m	<14 μ m
Apparent Density ³⁾	2.0- 3.5 g/cm ³	1.5- 2.5 g/cm ³

1) Information on testing methods on request, 2) Laser Light Diffraction per ASTM C 1070,
3) SCOTT VOLUMETER per ASTM B 329.

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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.

H.C. Starck Inc.
45 Industrial Place
Newton, MA 02461-1951 / USA
Phone +1 (617) 630-5800, Fax +1 (617) 630-5879

H.C. Starck 
High Performance Metal Solutions

info@hcstarcksolutions.com

www.hcstarcksolutions.com

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