

MOLYBDENUM POWDER PRODUCTS
PURE MOLYBDENUM
PDMP Powder (99.95%)

This specification covers a plasma densified pure molybdenum powder designed for thermal spray applications. The particles are melted to achieve near theoretical density and spherical shape. This powder is free flowing for applications requiring high coating densities. The powder is produced in both a coarse and fine grade.

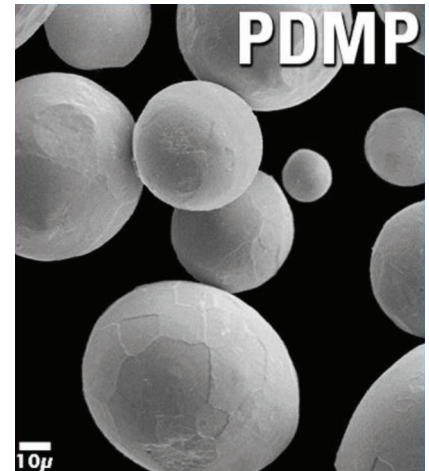
CHEMICAL CHARACTERISTICS¹

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

| | |
|--------------------------------|--------------------|
| Mo (excluding gases) | min. 99.5 % |
|--------------------------------|--------------------|

PHYSICAL CHARACTERISTICS

| | | | |
|--------------------------|-----------------------------|------------|-----------|
| Bulk Density (Scott) | min. 80 g/inch ³ | | |
| Hall Flow (coarse grade) | max. 15 sec./50 g | | |
| Sieve Analysis | | | |
| Coarse | Fine | | |
| + 170 mesh | max. 1 % | + 325 mesh | max. 1 % |
| + 200 mesh | max. 15 % | - 325 mesh | min. 99 % |
| + 325 mesh | min. 80 % | | |



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

PACKAGING

The molybdenum powder is shipped in non-returnable polyethylene-lined 5-gallon plastic pails or 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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