

TUNGSTEN METAL POWDER GG and HC 4000 (COARSE GRADE)

Description of Product

WMP GG: Special grade with low oxygen content, mainly used for Cu-Ag/W infiltration composites and mining applications.

WMP HC 4000: Standard grade of coarse metal powders for metallurgical applications.

Grades Available

Product Designation

WMP GG - 63 μm / -106 μm / -106 + 45 μm / -250 μm
-230 mesh / -140 mesh / -140 +325 mesh / - 60 mesh

WMP HC 4000 - 63 μm / -106 μm / -106 + 45 μm / -250 μm

Other grades on request.

Chemical Characteristics¹⁾

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

	GG			HC 4000		
	Limit			Limit		
W	min.	99.9	% ²⁾	min.	99.9	% ²⁾
Al	max.	30	ppm	max.	30	ppm
Ca	max.	20	ppm	max.	20	ppm
Cu	max.	10	ppm	max.	10	ppm
Mo	max.	100	ppm	max.	100	ppm
Si	max.	50	ppm	max.	50	ppm
Fe	max.	200	ppm	max.	200	ppm
Ni	max.	150	ppm	max.	150	ppm
Cr	max.	100	ppm	max.	100	ppm
O	max.	500	ppm	max.	1500	ppm

Physical Characteristics

Apparent density³⁾ (all GG and HC grades) 120 - 160 g/inch³

Particle size distribution⁴⁾

Oversize (all grades) max. 10 %
Undersize (-106 + 45 μm , -140 +325 mesh) max. 5 %
(HC 4000 / GG)

1) Information on chemical analytical methods and list of analyzed items on request, 2) Oxygen content excluded, 3) SCOTT-VOLUMETER per ASTM B 329, 4) ROTAP Screening per ASTM B 214.

- Packaging** 100 kg in 18 l steel drums with PE-bags
Packaging unit = 800 kg in 8 drums on CP1 pallet.

Other kinds of packaging are available on request.
- 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.
- Documentation** An inspection document in accordance with EN 10204 is supplied with every shipment.

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