

Tungsten Metal Powders

Number PD-1200
Issue 7-16.01.2023



TUNGSTEN METAL HC

Description of Product

The well-known standard grades are mainly used for tungsten heavy metal alloys, electric contact materials, raw material for cemented carbide production, diamond tools, unalloyed tungsten rods and wires.

Physical Characteristics

Grades	Fisher number (as supplied)	Tap volume (cm ³ /100g)		Apparent density (g/inch ³)	
		min.	max.	min.	max.
HC 250	2.3 - 2.7 μm	12	22	35	60
HC 300	2.8 - 3.2 μm	12	20	45	65
HC 350	3.3 - 3.7 μm	11	19	48	68
HC 400	3.8 - 4.2 μm	11	19	52	72
HC 500	4.5 - 5.5 μm	10	18	60	80
HC 600	5.5 - 6.5 μm	10	18	60	90
HC 700	6.5 - 7.5 μm	10	16	65	95
HC 800	7.0 - 9.0 μm	10	16	65	95
HC 1000	9.0 - 11.0 μm	9	16	70	110
HC 1200	11.0 - 13.0 μm	9	16	75	115
HC 1500	13.0 - 17.0 μm	9	16	80	120
HC 2000	17.0 - 23.0 μm	9	16	90	120

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Chemical Characteristics

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

				Oxygen		
						[%]
W	min.	99.95 % ¹⁾				
Al	max.	10	ppm	HC 250		max. 0.12
Ca	max.	10	ppm	HC 300		max. 0.12
Cr	max.	80	ppm	HC 350		max. 0.1
Cu	max.	5	ppm	HC 400		max. 0.1
Fe	max.	100	ppm	HC 500		max. 0.1
Mo	max.	100	ppm	HC 600		max. 0.1
Na	max.	20	ppm	HC 700		max. 0.1
Ni	max.	100	ppm	HC 800		max. 0.08
Si	max.	30	ppm	HC 1000		max. 0.08
				HC 1200		max. 0.08
				HC 1500		max. 0.08
				HC 2000		max. 0.08

W HC

2.3 – 20.0 μ m

Packaging

50 kg in 18 l or 100 kg in 30 l steel drums with PE-bags.

¹⁾ Oxygen content excluded