

TUNGSTEN METAL POWDER HC STARCK HA (Heavy Alloy)

Description of Product HC STARCK HA (1.5 to 20.0µm) :The well-known standard Tungsten grades with a purity of 3N5 are mainly used as alloying element in superalloys,raw material for cemented carbide production,diamond tools,W-Cu/Au infiltration composites,unalloyed Tungsten rods and wires.

Grades Available*

Product Designation
HC STARCK HA

Chemical Characteristics

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

	Range			Oxygen		[%]	
	min	99.95	%	HA	150	max	0.15
W	min	99.95	%	HA	150	max	0.15
Al	max	5	ppm	HA	200	max	0.15
As	max	10	ppm	HA	250	max	0.12
Ca	max	10	ppm	HA	300	max	0.05
Cd	max	5	ppm	HA	350	max	0.05
Co	max	10	ppm	HA	400	max	0.05
Cr	max	20	ppm	HA	500	max	0.05
Cu	max	5	ppm	HA	600	max	0.05
Fe	max	40	ppm	HA	700	max	0.05
K	max	10	ppm	HA	800	max	0.05
Mg	max	10	ppm	HA	1000	max	0.05
Mn	max	10	ppm	HA	1200	max	0.05
Mo	max	30	ppm	HA	1500	max	0.05
Na	max	15	ppm		2000	Max	0.05
Ni	max	20	ppm				
Pb	max	5	ppm				
Sn	max	10	ppm				
Ti	max	10	ppm				
V	max	10	ppm				
P	max	10	ppm				
Si	max	10	ppm				
C	max	50	ppm				

Physical Characteristics

		Fisher Number (as supplied) Tolerances[µm]	
HA	150	1.5	±0.2

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HA	250	2.5	±0.2
HA	300	3.0	±0.2
HA	350	3.5	±0.2
HA	400	4.0	±0.2
HA	500	5.0	±0.5
HA	600	6.0	±0.5
HA	700	7.0	±0.5
HA	800	8.0	±1.0
HA	1000	10.0	±1.0
HA	1200	12.0	±1.0
HA	1500	15.0	±2.0
HA	2000	20.0	±3.0

- 1) Information on chemical analytical methods and list of analyzed items on request.
- 2) Oxygen content excluded.

Packaging 50 kg in 16 l steel drums with double PE-bags

Storage and Handling Storage and handling are subject to the rules and regulations in the country of use

Documentation An inspection document in accordance with EN 10204 is supplied with every shipment.

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