H.C.Starck
Tungsten Powders
Member Masan High-Tech Materials Group

starck2print®

starck2print® metal

Description of Product

Special tungsten metal grade with low oxygen content, superior flowability and bulk density which meets the requirements of additive manufacturing processes.

Physical Characteristics

Apparent density	125 - 150 g/inch³
Tap density	9.2 -10.5 g/cm³

Mean particle Size D50

Grade	
W35 T	30 - 37 µm
W75 T	70 - 80 µm

Sieve analysis

Grade		Oversize	Undersize
W35 T	- 53 µm	max. 5%	
W75 T	- 106 + 53 µm	max. 5%	max. 5%

Tungsten Metal Powders

Number PD-1206
Issue 2-20.05.2022

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Chemical Characteristics

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

W	min.	99.9	%[1)]
Al	max.	30	ppm
Ca	max.	20	ppm
Cu	max.	10	ppm
Mo	max.	30	ppm
Si	max.	30	ppm
Fe	max.	100	ppm
Ni	max.	150	ppm
Cr	max.	100	ppm
O	max.	300	ppm (W35 T)
	max.	200	ppm (W80 T)

Packaging 50 kg in 18 l steel drums with PE-bags.

[1)] Oxygen content excluded

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