

AMPERIT[®] 151

Chemical Formula	Ta
Chemical Name	Tantalum
Grades Available	Product Designation AMPERIT [®] 151.065 30/10 µm

Chemical Characteristics

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

Ta	min.	99.9	%
C	max.	50	ppm
H	max.	100	ppm
N	max.	100	ppm
O	max.	500	ppm
Ca	max.	10	ppm
Cr	max.	10	ppm
Fe	max.	50	ppm
K	max.	3	ppm
Mg	max.	100	ppm
Mn	max.	2	ppm
Mo	max.	15	ppm
Na	max.	3	ppm
Nb	max.	50	ppm
Ni	max.	15	ppm
P	max.	10	ppm
Si	max.	20	ppm
W	max.	50	ppm

Physical Characteristics

Particle Size Distribution¹⁾

D 90 %	40	-	47	µm
D 50 %	22	-	28	µm
D 10 %	10	-	16	µm

1) MASTERSIZER with ultrasonics by Laser Light Diffraction per ASTM B 822 and Laser Scattering ISO 13320 (with US).

POWDERS FOR THERMAL SPRAYING

Number PD-4124
Issue 0-25.10.2018

Packaging	Packaging according to the Dangerous Goods / Regulations Class 4.1 "Flammable Solids.
Storage and Handling	Storage and handling are subject to the rules and regulations in the country of use.
Hazards identification in Advertising (REGULATION (EC) No 1272/2008 Article 48)	Flammable solids Category 1
Documentation	An inspection document in accordance with EN 10204 is supplied with every shipment.
Remarks	Always mix well before using.

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