

Titanium Metal powder, Grade T-N5



PRODUCT

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SPTI Type Product No. 20005

CAS No. 7440-32-6 EINECS-No. 231-142-3

APPEARANCE

Greyish-black powder

FORMULA

Ti

APPLICATION

Body or parts for airplane, parts for automobile, parts for vessel or submarine, parts for various machine, cutting tools, molds, biometeial, starting material for manufacturing of allys, cermets, ceramics and intermetallic compound, polishing powder and abrasives, deoxidizing and decarbonating agent in powder metallurgy, pyrotechnical incendiary compositions, hydrogen source for metal foaming, surface dispersant for lapping, polishing plate and wheel.

SPECIFICATION

Ti _{total}	min. 99%
Density (Bulk)	approx. 1.60 g/cm ³
Burning rate	65 +/- 7 s/50cm
H	max. 0.02
O	max. 0.70
N	max. 0.06
Al	max. 0.03
C	max. 0.03
Cl	max. 0.03
Fe	max. 0.07
Mg	max. 0.02
Ni	max. 0.04
Si	max. 0.02
Particle size (by sieving)	min. 99.9 % < 38µm
Average particle size (Blaine)	7 ± 3 µm
Average particle size (Malvern)	14 ± 3 µm