

# Titanium Metal powder, Grade T-N4



## PRODUCT

Titanium Metal powder, Grade T-N4

SPTI Type                      Product No. 20004

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

## APPEARANCE FORMULA

Greyish-black powder

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 <sub>total</sub>	min. 99%
Density (Bulk)	approx. 1.56 g/cm <sup>3</sup>
Burning rate	67 +/- 7 s/50cm
H	max. 0.02
O	max. 0.50
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 % < 45µm
Average particle size (Blaine)	9 ± 3 µm
Average particle size (Malvern)	18 ± 3 µm