



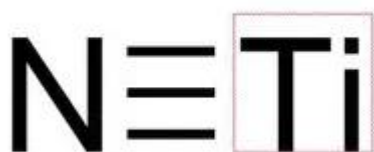
Unilong Industry Co., Ltd

Add: No.2000 Shunhua Rd, High-Tech Zone , Jinan City, Shandong Province, China
Contact: +86-18653132120 Website:www.unilongmaterial.com

Product name: TITANIUM NITRIDE

CAS: 25583-20-4

Molecular wight:61.87



Item	Standard
Vickers Hardness	2400
Elastic modulus	251GPa
Thermal conductivity	19.2 W/(m • ° C)
Thermal expansion coefficient	9.35 × 10 ⁻⁶ K ⁻¹
Superconducting transition temperature	5.6k
Magnetic susceptibility	+38 × 10 ⁻⁶ emu/mol



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Application:

Titanium nitride coatings are widely used on metal edges to maintain corrosion resistance in mechanical molds, such as drills and milling cutters, often improving their life by increasing three or more factors. Because of its metallic luster, titanium nitride is commonly used as a decorative ornament for clothing and cars. As the outer coating, usually nickel (Ni) or chromium (Cr) as the plating substrate, packaging pipe and door and window hardware. Titanium nitride is also used in aerospace and military applications, as well as to protect the sliding surfaces of the suspension of bicycles and motorcycles, and even the shock absorbers of the remote control toy car Chemicalbook.

Package:

25kg/drum or according to customer requirements.

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