

TiCN

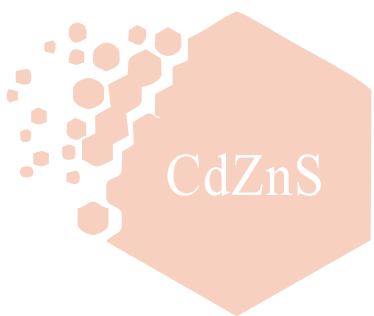
TITANIUM CARBONITRIDE

TiCN has a fine grain dense structure that provides excellent toughness and high hardness. TiCN is harder and tougher than TiN, consequently it exhibits a high resistance to edge chipping. Titanium carbonitride (Ti_{0.5}N_{0.5}) with a NaCl type structure is one of the transition metal carbonitrides and is an attractive material because of its good mechanical properties. It is a major raw material for Ti_{0.5}N_{0.5}-based cermets when mixed with nickel/cobalt, molybdenum carbide, and other refractory carbides.



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APPLICATIONS

- ✓ Good wear resistance
- ✓ Highly abrasive or gummy materials
- ✓ Good diffusion barrier



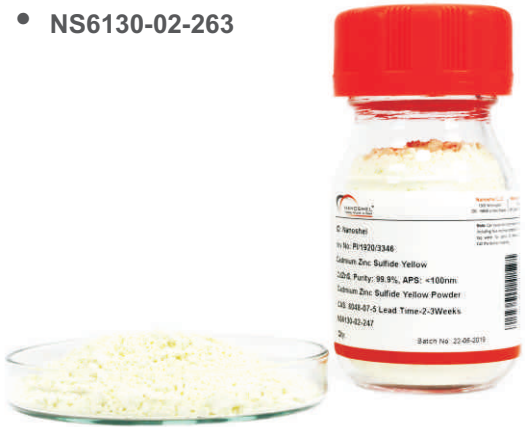
SPECS

- ✓ Purity: 99.9%
- ✓ Molecular Weight: 121.75g/mol
- ✓ Color: Black Gray
- ✓ Density: 5.08 g/ml
- ✓ Bulk Density: 0.23 g/gm
- ✓ Melting Point : >350°C

All types of particles size are available in micro and nano range.

CATALOGUE NO.

- NS6130-02-263



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