

TANTALUM NITRIDE POWDER

Stock No: NS6130-12-001560



TaN



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Tantalum Nitride Powder

Tantalum nitride (TaN) is a chemical compound, a nitride of tantalum. Tantalum nitride is used to create barrier or "glue" layers between copper, or other conductive metals, and dielectric insulator films such as thermal oxides. Tantalum nitride (TaN) films have been shown to provide a barrier to copper diffusion while at the same time promoting good adhesion between the copper lines and the surrounding interlevel dielectric (ILD), the manufacture of integrated circuits, to create thin film surface mount resistors and has other electronic applications. It also has application in thin film resistors. It has the advantage over nichrome resistors of forming a passivating oxide film which is resistant to moisture.

Quick Facts

Product	:	Tantalum Nitride Powder
Color	:	Gray/black Powder
Stock No	:	NS6130-12-001560
CAS	:	12033-62-4
Purity	:	99.9%
APS	:	1-2µm

Technical Specification

Molecular Formula	Molecular Weight	Density	Melting Point
TaN	194.95g/mol	14.30 g/cm ₃	3090 °C

ISO 9001:2015
CERTIFIED COMPANY

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