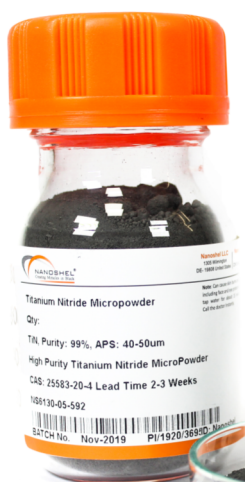


# TITANIUM NITRIDE Powder

## Quick Facts

<b>Product</b>	:	Titanium Nitride Powder
<b>Stock No</b>	:	NS6130-05-592
<b>CAS</b>	:	25583-20-4
<b>Form</b>	:	Powder
<b>Purity</b>	:	99.9%
<b>APS</b>	:	40-50µm

Titanium nitride (TiN) is an extremely hard ceramic material, often used as a coating on titanium alloys, steel, carbide, and aluminium components to improve the substrate's surface properties. A compatible material within biological environments and the semiconductor industry, TiN exhibits superior properties to noble metals such as high temperature durability, chemical stability, corrosion resistance, low cost and high mechanical hardness. TiN is widely used in microelectronics, biomedical devices and food-contact applications. It proceeds to sparking great interest in fields such as plasmonic photo-thermal therapy, solar/thermophotovoltaics, heat assisted magnetic recording and plasmon-mediated photocatalysis.



## Technical Specification

<b>Molecular Formula</b>	:	TiN
<b>Molecular Weight</b>	:	61.874 g/mol
<b>Density</b>	:	5.22 g/cm <sup>3</sup>
<b>Melting Point</b>	:	2930°C

**APS**  
40-50µm

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**NS6130-05-592**

ISO 9001:2015  
CERTIFIED COMPANY



20ZICE4589C



19ZAZGO1274G



20ZICE4588M

### INTELLIGENT MATERIALS PVT LTD

Derabassi  
Punjab (140507)  
INDIA

+91 9779 550077, 9779238252

### NANOSHEL UK LIMITED

Chapel House,  
Chapel St Cheshire,  
CW12 4AB United Kingdom

+44 (0) 74 105 488, +44 203 137 5187

### NANOSHEL LLC

3422 Old Capitol Suit  
1305 Wilmington DE - 19808  
United States

+1 646 470 4911