

# TITANIUM HYDRIDE POWDER

Stock No: NS6130-12-000601



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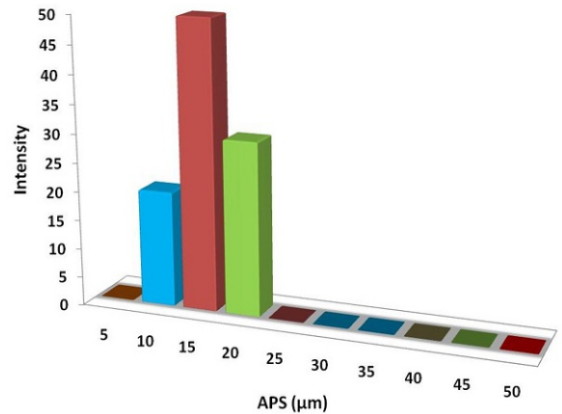
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## Titanium Hydride Powder

Titanium hydride normally refers to the inorganic compound  $TiH_2$  and related nonstoichiometric materials. Titanium hydride ( $TiH_2$ ) is a chemical compound of titanium and hydrogen, which is brittle and, in powder form, highly reactive when exposed to heat or strong oxidizers. Owing to its high reactivity, titanium hydride powder has found application in pyrotechnics, initiator squibs and igniters. Titanium hydride  $TiH_2$  Common applications include ceramics, pyrotechnics, sports equipment, as a laboratory reagent, as a blowing agent, and as a precursor to porous titanium.

### Quick Facts

Product	:	Titanium Hydride Powder
Color	:	Black/Gray Powder
Stock No	:	NS6130-12-000601
CAS	:	7704-98-5
Purity	:	99.9%
APS	:	10-20 $\mu$ m
Other Metal	:	800ppm



## Technical Specification

Molecular Formula	Molecular Weight	Density	Melting Point
$TiH_2$	49.88 g/mol	3.76 g/cm $_3$	350 $^{\circ}$ C

## Applications

- Used as a catalyst for polymerization
- Used for welding
- Aerospace, automotive and engineering industries for applications that require significant weight saving while maintaining high performance.
- powder metallurgy, hard alloy additive, fireworks.

ISO 9001:2015  
CERTIFIED COMPANY



20ZICE4589C



19ZAZG01274G



20ZICE4588M

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