

# Titanium HDH

## Titanium Hydride-Dehydride Angular Powder



### HIGH PERFORMANCE PARTS START WITH HIGH PERFORMANCE POWDER

Titanium angular metal powder is produced from the screening of titanium sponge fines and uses our expertise in sizing to produce the highest quality metal powders for your needs. Titanium angular metal powder has excellent mechanical properties including high-strength, low density with excellent corrosion resistance making this material perfect for medical equipment components, photovoltaics, semiconductors and sputtering targets. 6K Additive's titanium angular powder delivers high quality, consistent material properties and our process allows for maximum control of particle size distribution to produce your desired PSD. Various sizes available upon customer request.

6K Additive's sustainable process for producing metal powders utilizes many different streams for feedstock creating a secure, domestic supply.

### 6K Additive Premium Titanium HDH Powders

- UN2546
- -325 mesh, hydride
- Ultra clean
- Exceptional lot to lot consistency
- Tailored to your specific PSD
- Customized closed loop recycling systems for ultra-sustainable production

### Key Properties

- Corrosion resistant
- Biocompatible
- High strength to weight ratio
- Fatigue resistant
- Good high temperature mechanical properties

### Industries

- Aerospace
- Automotive
- Medical
- Industrial

#### TYPICAL CHEMISTRY (by wt. %) - Chemistry will be provided by 6K Additive per lot

Titanium	99.0% (Min)
Titanium	99.5% (Min) Excluding gases
Hydrogen	< 0.40% (Max)
Iron	< 0.04% (Max)
Oxygen	< 0.80% (Max)
All Other	< 0.03% (Max)

#### PARTICLE DESCRIPTION

+325 Mesh	5% (Max)
-325 Mesh	Balance

#### TYPICAL PACKAGING

(UN certified) steel drums with anti-static liners  
Custom packaging available upon request (extra charge may apply)

6K Additive titanium angular powder production is done in the Red Lion, PA facility.