Titanium Ti6Al4V

Ti64 · Grade 5

A widely used titanium alloy powder for lightweight structural AM parts where strength-to-weight performance matters.

Designations: Ti-6Al-4V · Ti64 · Grade 5 · UNS R56400 · TC4

Supply

Item	Value
Particle-size cuts	15–45 µm · 15–53 µm · 45–105 µm
Processes	LPBF · EBM · DED
Minimum pack	1 kg (paid samples)
Packaging	Aluminium-foil bag · 1 kg sealed pack · Drum
Documents	Lot-specific COA · Particle-size report · Safety data sheet · Chemistry and interstitial report
List price	US$100–225/kg, EXW China

Our list price for LPBF cuts (15–45 µm or 15–53 µm), per kg, EXW China, from 1 kg. It is set at 80–90% of the public list prices of mainstream suppliers checked in October 2026. Other particle-size cuts are priced by agreement; packing and freight are quoted separately. Your written quotation from our official corporate email confirms the price, lead time and terms for your quantity, particle size and documents.

Chemical composition, wt.%

Element	Limit
Ti	Balance
Al	5.50–6.75
V	3.50–4.50
Fe	≤0.30
C	≤0.08
O	≤0.12
N	≤0.03
H	≤0.015

Typical partner-plant datasheet limits, wt.%. The quoted lot COA governs.

Powder properties · LPBF screening window

Property	Value	Note
D10	≥15 μm	Laser-distribution screening value
D50	30–40 μm	Grade-specific screening window
D90	≤63 μm	Grade-specific screening window
Sphericity	≥0.90	Method to be confirmed
Apparent density	≥2.4 g/cm³	Test method to be confirmed
Tap density	≥2.8 g/cm³	Test method to be confirmed
Flow	≤35 s/50 g	Method and conditioning to be confirmed

A grade-specific Ti6Al4V screening basis; not a universal or lot-release specification.

Typical mechanical properties

Condition	Temperature	Tensile	Yield	Elongation	Note
Heat treated	Room temperature	≥950 MPa	≥900 MPa	≥10%	

Partner-plant datasheet values for LPBF test bars at room temperature unless stated. Printed-part properties depend on machine, parameters, orientation, and post-processing.

Typical values, not a lot certificate. The certificate of analysis for the quoted lot governs. Formal quotations and commercial terms are valid only when issued from our official corporate email.

Request a quote: https://metal3dpowder.com/rfq/?product=ti64 · Grade page: https://metal3dpowder.com/products/ti64/
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