Titanium Grade 2

CP Titanium · Grade 2

Commercially pure titanium powder for corrosion-led parts where ductility and chemical compatibility lead the decision.

Designations: CP-Ti Grade 2 · UNS R50400 · Commercially pure titanium · TA1

Supply

Item	Value
Particle-size cuts	15–45 µm · 15–53 µm · 45–105 µm
Processes	LPBF · EBM
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 · Interstitial chemistry report
List price	Price on request

Chemical composition, wt.%

Element	Limit
Ti	Balance
Fe	≤0.25
C	≤0.10
O	≤0.15
N	≤0.03
H	≤0.015

Typical partner-plant datasheet limits for CP titanium (TA1) powder, wt.%. The quoted lot COA governs.

Powder properties · LPBF screening window

Property	Value	Note
D10	≥15 µm	
D50	30–40 µm	
D90	≤63 µm	
Sphericity	≥0.90	Method to be confirmed
Apparent density	≥2.4 g/cm³	
Tap density	≥2.8 g/cm³	
Flow	≤35 s/50 g	Method and conditioning to be confirmed

A partner-plant datasheet screening basis for this grade; the delivered lot COA remains controlling.

Typical mechanical properties

Condition	Temperature	Tensile	Yield	Elongation	Note
Heat treated	Room temperature	≥350 MPa	≥250 MPa	≥30%	

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=ti-grade-2 · Grade page: https://metal3dpowder.com/products/ti-grade-2/
Suzhou Como Precision Materials Co., Ltd. (SZCOMO) · info@szcomo.com · Exporting metal powders since 2016 · Issued 2026-10-26