TA15 Near-Alpha Titanium

TA15

Near-alpha titanium powder for elevated-temperature structural programs and aerospace development work.

Designations: TA15 · Near-alpha titanium

Supply

Item	Value
Particle-size cuts	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 report
List price	Price on request

Chemical composition, wt.%

Element	Limit
Ti	Balance
Al	5.5–7.1
Zr	1.5–2.5
Mo	0.5–2.0
V	0.8–2.5
Si	≤0.15
Fe	≤0.25
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	
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 TA15 screening basis; the governing chemistry version and test method must be stated in the RFQ.

Typical mechanical properties

Condition	Temperature	Tensile	Yield	Elongation	Note
Heat treated	Room temperature	≥1050 MPa	≥950 MPa	≥10%	
Heat treated	500 °C	≥750 MPa	≥600 MPa	≥14%	
Heat treated	600 °C	≥600 MPa	≥400 MPa	≥15%	

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=ta15 · Grade page: https://metal3dpowder.com/products/ta15/
Suzhou Como Precision Materials Co., Ltd. (SZCOMO) · info@szcomo.com · Exporting metal powders since 2016 · Issued 2026-10-26