[Material Data Sheet]

Ti64
Titanium Alloy
Lithography

COMPOSITION %

Ti	balance
Al	5.5 - 6.75
V	3.5 - 4.5
C	< 0.2
O	< 0.4

	Standard	Lithography As-Sintered	ISO 22068 As-sintered	ASTM F2885 Type 2[1] As-Sintered
Ultimate tensile strength (MPa)	ASTM E8/E8M	**850 ± 20**	900	780
Yield strength (MPa)	ASTM E8M	650 **± 30**	830	680
Elongation at break (%)	ASTM E8M	**6.5 ± 1**	10	10
Hardness (HRC)	ASTM E18	**44 ± 2**		

The mechanical properties represented in the table corresponds to grade 4 Ti6Al4V – Grade 5 Ti6Al4V properties will be updated during Q1 2026

SURFACE ROUGHNESS (@ 20 µM LAYER THICKNESS)

Avg all surfaces (µm Ra)	2-3**um**

ATTRIBUTES & APPLICATIONS

Exceptional corrosion resistance
High strength to density ratio
Good biocompatibility
Medical implants & devices
Jewelry & decorative items

* Listed designations are for reference purposes only. Composition and mechanical properties may vary.
** Per MPIF Standard 35, Materials Standards for Metal Injection Molded Parts (MPIF 35-MIM, 2018). End-use material performance is impacted (+/-) by certain factors including but not limited to part geometry and design, application and evaluation conditions, etc.
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