

Ti6Al4V Grade 23	EU: 3.7615	UNS R56401
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Chemical Composition

Element	Weight Percentage
Ti	Balance
Al	5.5-6.5
V	3.5-4.5
H	<0.0125
Fe	<0.25
O	<0.13
N	<0.03
C	<0.08
Total rest	<0.4
(rest per element)	<0.1

Properties by MT3D's production process

Mechanical	UTS	1140 MPa
	Yield strength (Rp0.2%)	1050 MPa
	Elongation at break	8 % ± 2 %
	Young's modulus	110 GPa ± 5 GPa
	Notched Charpy	10 J/cm ²
	Hardness	37 HRC
Thermal	Conductivity (20°)	6.8 W/m*K
	Specific heat cap (20°)	580 J/kg*K
	Melting Point	1650°C