

Ti-6Al-4V ELI Annealed Bar, ASTM B348 Grade 23,, ASTM F136

Component Elements Properties					
	Aluminum, Al	Carbon, C	Hydrogen, H	Iron, Fe	Nitrogen, N
Requirement	5.5 - 6.5 %	≤0.080 %	≤0.0125 %	≤0.25 %	≤0.030 %
	Other, each	Other, total	Oxygen, O	Titanium, Ti	Vanadium, V
Requirement	≤0.10 %	≤0.40 %	≤0.13 %	88.1 - 91 %	3.5 - 4.5 %
Mechanical Properties					
	Tensile Strength,Ultimate	Tensile Strength, Yield	Elongation at Break	Reduction of Area	Density
Requirement	≥860 MPa	≥795 MPa	≥10%	≥25%	4.42 g/cc