



Nickel Alloy 625 UNS N06625

Alloy Composition		
	625	
Element	Min.	Max
C	-	0.10
Mn	-	0.50
Si	-	0.50
Ni ^A	58.0	-
Cr	20.0	23.0
Mo	8.0	10.0
Nb + Ta	3.15	4.15
Co	-	1.00
Fe	-	5.0
Al	-	0.40
Ti	-	0.40
P	-	0.015
S	-	0.015

A – Nickel determined arithmetically by difference.

SEAMLESS TUBE

Our 625 seamless tube, commonly referred to as Inconel, is made to ASTM B444, and B829. Seamless 625 tube is annealed at 1600°F minimum which is the Grade 1 (Gr. 1) designation.

Our stringent quality policies and inspection practices ensure that all seamless tube purchased from T2 Alloys Limited will be of good quality and delivered to the requirements within the aforementioned specifications.

For maximum working pressure rating of specific sizes, please contact our offices to speak to one of our staff.

Mechanical Properties			
	UTS	0.2% Yield	% Elongation
625 Gr. 1	120 ksi min.	60 ksi min.	30 % min.

Physical Properties		
	625	
Density @ Room Temperature (lb/in. ³)	0.305	
Curie Temperature	<-320°F	
Specific Heat, 200°F (Btu/lb · °F)	0.102	
Electrical Resistivity (μ Ω · cm) at 38°C	130	
Magnetic Permeability (at 200 Oersted)	1.0006	
Coefficient of Thermal Expansion (μ in./in. · °F)	70°F to 200°F	7.1
	70°F to 1000°F	7.8
	70°F to 1700°F	9.0
Thermal Conductivity (Btu · in/ft ² · h · °F)	@ 200°F	75
	@ 1800°F	175

Limitation of Liability

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