



Super Duplex Alloy 2507 UNS S32750

Alloy Composition		
	SD 2507 ^A	
Element	Min.	Max
C	-	0.030
Mn	-	1.20
Si	-	0.80
Ni ^A	6.0	8.0
Cr	24.0	26.0
Mo	3.0	5.0
N	0.24	0.32
Cu	-	0.50
P	-	0.035
S	-	0.020

A – %Cr + 3.3 X %Mo + 16 X %N ≥ 41.

SEAMLESS TUBE

Our super duplex 2507 seamless tube is made to ASTM A789, and A1016. Seamless 2507 tube is annealed between 1880°F and 2060°F followed by a rapid quench in either air or water.

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	Hardness (HRC)
SD 2507	116 ksi min.	80 ksi min.	15 % min.	32 max.

Physical Properties		
	SD 2507	
Density @ Room Temperature (lb/in. ³)	0.28	
Specific Heat, 68°F to 200°F (Btu/lb · °F)	0.12	
Electrical Resistivity (μ Ω · in) at 68°F	32.7	
Coefficient of Thermal Expansion (μ in./in. · °F)	86°F to 400°F	7.5
	86°F to 600°F	8.0
	86°F to 800°F	8.0
Thermal Conductivity (Btu /ft · h · °F)	@ 200°F	9
	@ 800°F	12

Limitation of Liability

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