

T67

Technical Datasheet



Service. Quality. Value.

Aerospace Stainless Steel Tube

Typical Applications

- Exhaust stacks
- Manifolds
- Blast tubes
- Applications where a weldable corrosion and heat resisting steel is required

Product Description

T67 is a stainless steel tube which is corrosion resistant. It is annealed and welds well. T67's intended uses are for manufactured exhaust stacks, manifolds, blast tubes ring collectors and other applications where the component must be welding and withstand a high level of heat.

The alloy is known to withstand temperatures ranging between 800°F to 1500°F

Key features:

- Good corrosion resistance
- Weldable
- Excellent heat resistant properties
- Fair machinability

Machinability

Fair

Availability

Tube

Corrosion Resistance

Good

Chemical Composition (weight %)

	Fe	C	Cr	Mn	Ni	P	S	Si	Ti	
Min	Bal		17	0.5	9			0.2	5XC	
Max	Bal	0.08	19	2	12	0.035	0.025	1	0.70	

Mechanical Properties

Ultimate Tensile Strength	550 MPa
0.2% Proof Stress	210 MPa
Hardness	197 HB
Hardness	205 HV

Physical Properties

Density	8.0 g/cm ³
Melting Point	1427 °C
Thermal Expansion	11.2 x 10 ⁻⁶ /K
Modulus of Elasticity	28 x 10 ³ MPa
Thermal Conductivity	12.8 W/m.K

Technical Assistance

Our knowledgeable staff backed up by our resident team of qualified metallurgists and engineers, will be pleased to assist further on any technical topic.

UK Service Centres:

Smiths Belfast	02895 908 897
Smiths Biggleswade	01767 604 704
Smiths Birmingham	0121 728 4940
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Smiths Verwood	01202 824 347
Main Office	0845 527 3331

Quality & Testing:



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