T67
Technical Datasheet

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 %)

<table>
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<th></th>
<th>Fe</th>
<th>C</th>
<th>Cr</th>
<th>Mn</th>
<th>Ni</th>
<th>P</th>
<th>S</th>
<th>Si</th>
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<td>12</td>
<td>0.035</td>
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</table>

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/cm³
Melting Point 1427 °C
Thermal Expansion 11.2 x 10⁻⁶ /K
Modulus of Elasticity 28 x 10⁵ 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.

www.smithmetal.com
sales@smithmetal.com

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