



Supplier of Welding Alloys

Nickel Alloy TIG, MIG and SUB-ARC Wire

Oxford Alloy® 67

SPECIFICATIONS

AWS 5.7
ASME SFA 5.7

CLASSIFICATIONS

AWS ERCuNi
UNS C71581

DESCRIPTION / APPLICATION

Oxford Alloy 67 is used for oxyacetylene and gas-tungsten-arc welding of Monel® alloy 450. This alloy is also used for welding on 70/30, 80/20, and 90/10 copper-nickel alloys. The weld metal of this filler metal has excellent resistance to corrosion in sea water, and is widely used for marine and desalination applications. Dissimilar welding applications for Oxford Alloy 67 are joints between Monel® alloys or Nickel 200 and copper-nickel alloys.

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AWS Chemical Composition						
Ni+C o	Mn	Fe	Si	Cu+Ag	Ti	P
29.0- 32.0	1.0 max	0.40- 0.75	0.25 max	Bal	0.20- 0.50	0.02 max
Pb	OET					
0.02 max	0.50 max					

TYPICAL MECHANICAL PROPERTIES

Tensile strength: 53,000 psi 360 MPa
Yield strength: 21,000 psi 140 MPa
Elongation: 32%

Please contact our sales department for more information at 800-562-3355 or 225-273-4800.

Data contained in this publication are typical of the products and properties described, but are not suitable for specifications.
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