



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.

INCONEL, INCOLOY and MONEL are trademarks of the Special Metals Group of Companies.

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
<b>Pb</b>	<b>OET</b>					
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.  
OXFORD ALLOYS is a registered trademark of Oxford Alloys, Inc.