



Supplier of Welding Alloys

Nickel Alloy TIG, MIG and SUB-ARC Wire

Oxford Alloy® 60

SPECIFICATIONS

AWS 5.14
ASME SFA 5.14

CLASSIFICATIONS

AWS ERNiCu-7
UNS N04060

DESCRIPTION / APPLICATION

Oxford Alloy 60 is used for the welding of Monel® alloys 400, R-405, and K-500. This filler metal is also used for surfacing of steel. The weld metal deposited by the Oxford Alloy 60 has properties similar to those of Monel® alloy 400. This filler metal has good strength and resists corrosion in many media, including seawater, salts, and reducing acids. The weld metal of the Oxford Alloy 60 is not age hardenable and when used to join Monel® alloy K-500 it has lower strength than the base metal.

AWS Chemical Composition						
Ni	C	Mn	Fe	Si	Cu	Al
62.0-69.0	0.15 max	4.0 max	2.5 max	1.25 max	Bal	1.25 max
Ti	P	S	OET			
1.5-3.0	0.02 max	0.015 max	0.50 max			

TYPICAL MECHANICAL PROPERTIES

Tensile strength: 76,500 psi 530 MPa
Yield strength: 52,500 psi 360 MPa
Elongation: 34%

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

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