

Nickel Alloy TIG, MIG and SUB-ARC Wire

Oxford Alloy[®] 601

SPECIFICATIONS

AWS 5.14
ASME SFA 5.14

CLASSIFICATIONS

AWS ERNiCrFe-11
UNS N06601

DESCRIPTION / APPLICATION

Oxford Alloy 601 is used for the welding of Inconel[®] alloy 601. The GTAW process with Oxford Alloy 601 is the only recommended joining method for applications involving temperature over 2100°F (1150°C) or for applications at lower temperatures involving exposure to hydrogen sulfide or sulfur dioxide. The weld metal of this filler metal is comparable to the base metal in resistance to corrosion and oxidation.

AWS Chemical Composition						
Ni	Cr	Fe	Al	C	Mn	S
58.0-63.0	21.0-25.0	Bal	1.0-1.7	0.10 max	1.0 max	0.015 max
Si	Cu	P	OET			
0.50 max	1.0 max	0.03 max	0.50 max			

TYPICAL MECHANICAL PROPERTIES

Tensile strength: 94,000 psi 648 MPa
Elongation: 42%

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

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