



Nickel Alloy TIG, MIG and SUB-ARC Wire

Oxford Alloy[®] 622

SPECIFICATIONS

AWS 5.14
ASME SFA 5.14

CLASSIFICATIONS

AWS ERNiCrMo-10
UNS N06022

DESCRIPTION / APPLICATION

Oxford Alloy 622 is an alloy of nickel with chromium molybdenum and tungsten as principle alloying elements. This wire is used to weld alloys of similar composition as well as dissimilar joints between nickel-chromium-molybdenum alloys and stainless or carbon or low alloy steels. It can also be used for cladded overlay as well as spraying applications. Oxford Alloy 622 offers excellent corrosion resistance in oxidizing as well as reducing media in a wide variety of chemical process environments. This alloy offers an outstanding resistance to stress corrosion cracking, pitting, and crevice corrosion.

AWS Chemical Composition						
C	Mn	Si	Fe	S	P	Cr
0.015 max	0.50 max	0.08 max	2.0- 6.0	0.010 max	0.02 max	20.0- 22.5
Mo	W	Ni	Cu	Co	V	OET
12.5- 14.5	2.5- 3.5	Bal	0.50 max	2.5 max	0.35 max	0.50 max

TYPICAL MECHANICAL PROPERTIES

Tensile strength: 115,000 psi 790 MPa
Yield strength: 82,000 psi 570 MPa
Elongation: 38%

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.