

Nickel Alloy TIG, MIG and SUB-ARC Wire

Oxford Alloy® C-276

SPECIFICATIONS

AWS 5.14
 ASME SFA 5.14

CLASSIFICATIONS

AWS ERNiCrMo-4
 UNS N10276

DESCRIPTION / APPLICATION

Oxford Alloy C-276 is used for welding of materials of similar chemical composition (UNS Number N10276), as well as dissimilar materials of nickel base alloys, steels and stainless steels. This wire also can be used for cladding steel with nickel-chromium-molybdenum weld metal. Oxford Alloy C-276, due to its high molybdenum content, offers excellent resistance to stress corrosion cracking, pitting, and crevice corrosion.

AWS Chemical Composition						
C	Mn	Si	Cr	Mo	W	S
0.02 max	1.0 max	0.08 max	14.5- 16.5	15.0- 17.0	3.0- 4.5	0.03 max
P	V	Ni	Fe	Cu	Co	OET
0.04 max	0.35 max	Bal	4.0- 7.0	0.50 max	2.5 max	0.50 max

TYPICAL MECHANICAL PROPERTIES

Tensile strength: 106,000 psi 730 MPa
Yield strength: 78,500 psi 540 MPa
Elongation: 39%

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

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