



Supplier of Welding Alloys

## Stainless Steel Coated Electrodes

### Oxford Alloy® 410NiMo-16

**SPECIFICATIONS**

AWS 5.4  
ASME SFA 5.4

**CLASSIFICATIONS**

AWS E410NiMo-16  
UNS W41016

**DESCRIPTION / APPLICATION**

Oxford Alloy E410NiMo-16 is an electrode designed to run on direct current, reversed polarity as well as alternating current. This electrode is designed to weld materials of similar chemical composition in cast and wrought forms. Preheat and interpass temperatures of not less than 300°F (150°C) are recommended during welding. Post-weld heat treatment should be between 1100°F (629°C) and not to exceed 1150°F (620°C), as high temperatures may result in hardening.

AWS Chemical Composition						
C	Mn	Si	Cr	Ni	Mo	S
0.06 max	1.0 max	0.90 max	11.0-12.5	4.0-5.0	0.40-0.70	0.03 max
P	Cu					
0.04 max	0.75 max					

**TYPICAL MECHANICAL PROPERTIES**

Tensile strength: 126,150 psi 870 MPa  
Yield strength: 108,750 psi 750 MPa  
Elongation: 22%

Note: Mechanical properties listed reflect utilization of a post-weld heat treatment between 1100°F (629°C) and 1150°F (620°C) for one hour.

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

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