



Supplier of Welding Alloys

Stainless Steel Coated Electrodes

Oxford Alloy® 347-16

SPECIFICATIONS

AWS 5.4
ASME SFA 5.4

CLASSIFICATIONS

AWS E347-16
UNS W34710

DESCRIPTION / APPLICATION

Oxford Alloy E347-16 is an electrode designed to run on direct current, reversed polarity as well as alternating current. The addition of columbium to Oxford Alloy E347-16 makes it resistant to intergranular corrosion by reducing the possibility of intergranular carbide precipitation. This electrode is recommended for welding grades of similar composition such as 304, 302, 321 and 347. Due to the strengthening effect of columbium, this grade is recommended if the weld metal is to be subjected to high temperatures above 700°F.

AWS Chemical Composition						
C	Cr	Ni	Cb+Ta	Mn	Si	P
0.08 max	18.0- 21.0	9.0- 11.0	8 x C, min to 1.00 max	0.5- 2.5	1.0 max	0.04 max
S	Mo	Cu				
0.03 max	0.75 max	0.75 max				

TYPICAL MECHANICAL PROPERTIES

Tensile strength: 85,260 psi 588 MPa
Yield strength: 60,900 psi 420 MPa
Elongation: 42%

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.
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