



Supplier of Welding Alloys

Stainless Steel Coated Electrodes

Oxford Alloy® 308/308L-16

SPECIFICATIONS

AWS 5.4
ASME SFA 5.4

CLASSIFICATIONS

AWS E308/308L-16
UNS W30813

DESCRIPTION / APPLICATION

Oxford Alloy E308/308L-16 is an electrode designed to run on direct current, reversed polarity as well as alternating current. The weld deposit contains a maximum of .04% carbon, which minimizes the formation of chromium carbides, and consequent susceptibility to intergranular corrosion. This electrode is used to weld base metal of similar composition such as AISI 301, 302, 304, 304L, 305, 308, 308L and 347. This dual classification will help eliminate redundancy.

AWS Chemical Composition						
C	Cr	Ni	Mn	Si	P	Cu
0.04 max	18.0- 21.0	9.0- 11.0	0.5- 2.5	1.0 max	0.04 max	0.75 max
Mo	S					
0.75 max	0.03 max					

TYPICAL MECHANICAL PROPERTIES

Tensile strength: 78,300 psi 540 MPa

Yield strength: 56,550 psi 390 MPa

Elongation: 45%

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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