



Supplier of Welding Alloys

Stainless Steel Coated Electrodes

Oxford Alloy® 317L-16

SPECIFICATIONS

AWS 5.4
ASME SFA 5.4

CLASSIFICATIONS

AWS E317L-16
UNS W31713

DESCRIPTION / APPLICATION

Oxford Alloy E317L-16 is an electrode designed to run on direct current, reversed polarity as well as alternating current. The low carbon content of the weld metal lowers the risk of intergranular corrosion by reducing the possibility of carbide precipitation at the grain boundary. At elevated temperatures the tensile property values are lower than the E317-16 grade. Oxford Alloy E317L-16 is used for joining AISI 317L type stainless steel for use in especially severe corrosion conditions such as those in the petrochemical or paper industries.

AWS Chemical Composition						
C	Cr	Ni	Mo	Mn	Si	P
0.04 max	18.0- 21.0	12.0- 14.0	3.0- 4.0	0.5- 2.5	1.0 max	0.04 max
S	Cu					
0.03 max	0.75 max					

TYPICAL MECHANICAL PROPERTIES

Tensile strength: 78,735 psi 543 MPa

Yield strength 62,350 psi 430 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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