



Supplier of Welding Alloys

Stainless Steel Coated Electrodes

Oxford Alloy® 310-16

SPECIFICATIONS

AWS 5.4
ASME SFA 5.4

CLASSIFICATIONS

AWS E310-16
UNS W31010

DESCRIPTION / APPLICATION

Oxford Alloy E310-16 is an electrode designed to run on direct current, reversed polarity as well as alternating current. Oxford Alloy E310-16 electrode is used for joining heat resistant austenitic steels of type AISI 310 and for surfacing low or non-alloyed steels where a 310-type deposit is desired. This electrode can be used in air up to about 2000°F, in oxidizing sulphurous atmospheres up to 2000°F and in reducing sulphurous atmospheres up to 1200°F.

AWS Chemical Composition						
C	Mn	Si	Cr	Ni	S	P
0.08-0.20	1.0-2.5	0.75 max	25.0-28.0	20.0-22.5	0.03 max	0.03 max
Mo	Cu					
0.75 max	0.75 max					

TYPICAL MECHANICAL PROPERTIES

Tensile strength: 85,260 psi 588 MPa
Yield strength: 59,450 psi 410 MPa
Elongation: 38%

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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