



Supplier of Welding Alloys

Stainless Steel Coated Electrodes

Oxford Alloy® 309LMo-16

SPECIFICATIONS

AWS 5.4
ASME SFA 5.4

CLASSIFICATIONS

AWS E309LMo-16
UNS W30923

DESCRIPTION / APPLICATION

Oxford Alloy E309LMo-16 is an electrode designed to run on direct current, reversed polarity as well as alternating current. This electrode is designed for applications requiring molybdenum with a standard 309L analysis. This electrode is used primarily for welding type 316L and 316 clad steels, or welding molybdenum containing austenitic stainless steel to carbon steel, provided the service temperature is less than 600°F (316°C). Carbon content 0.04% maximum.

AWS Chemical Composition						
C	Cr	Ni	Mn	Si	Mo	P
0.04 max	22.0- 25.0	12.0- 14.0	0.5- 2.5	1.0 max	2.0- 3.0	0.04 max
S	Cu					
0.03 max	0.75 max					

TYPICAL MECHANICAL PROPERTIES

Tensile strength: 89,610 psi 618 MPa
Yield strength: 63,800 psi 440 MPa
Elongation: 40%

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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