



Supplier of Welding Alloys

Stainless Steel TIG, MIG and SUB-ARC Wire

Oxford Alloy® 316LSi

SPECIFICATIONS

AWS 5.9
ASME SFA 5.9

CLASSIFICATIONS

AWS ER316LSi
UNS S31688

DESCRIPTION / APPLICATION

Oxford Alloy ER316LSi is used for welding low carbon molybdenum-bearing austenitic alloys. This filler metal is similar to Oxford Alloy ER316L, with higher silicon content for optimum ease in welding and smooth bead appearance. Higher productivity could be realized in the MIG welding process.

AWS Chemical Composition						
C	Mn	Si	Cr	Ni	Mo	S
0.03 max	1.0-2.5	0.65-1.00	18.0-20.0	11.0-14.0	2.0-3.0	0.03 max
P	Cu					
0.03 max	0.75 max					

TYPICAL MECHANICAL PROPERTIES

Tensile strength: 79,750 psi 550 MPa
Yield strength: 55,100 psi 380 MPa
Elongation: 39%

Please contact our sales department for more information at 800-562-3355 or 225-273-4800.

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