



Supplier of Welding Alloys

Stainless Steel TIG, MIG and SUB-ARC Wire

Oxford Alloy® 308LSi

SPECIFICATIONS

AWS 5.9
ASME SFA 5.9

CLASSIFICATIONS

AWS ER308LSi
UNS S30888

DESCRIPTION / APPLICATION

Oxford Alloy ER308LSi is used to weld base metal of similar composition such as AISI 301, 302, 304, 304L, 305, 308, 308L and 347. This classification is the same as Oxford Alloy ER308L, except for the higher silicon. This improves the usability of the filler metal in the gas metal arc welding process. If the dilution by the base metal produces a low ferrite or fully austenitic weld, the crack sensitivity of the weld is somewhat higher than that of a lower silicon content weld metal.

AWS Chemical Composition						
C	Cr	Ni	Mo	Mn	Si	P
0.03 max	19.5-22.0	9.0-11.0	0.075 max	1.0-2.5	0.65-1.00	0.03 max
S	Cu					
0.03 max	0.75 max					

TYPICAL MECHANICAL PROPERTIES

Tensile strength: 84,100 psi 580 MPa
Yield strength: 58,000 psi 400 MPa
Elongation: 41%

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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