



Supplier of Welding Alloys

Stainless Steel TIG, MIG and SUB-ARC Wire

Oxford Alloy® 309LSi

SPECIFICATIONS

AWS 5.9
ASME SFA 5.9

CLASSIFICATIONS

AWS ER309LSi
UNS S30988

DESCRIPTION / APPLICATION

Oxford Alloy ER309LSi is of the same chemical composition as ER309L, with higher silicon content to improve the bead appearance and increase welding ease. This filler metal is used for welding of similar alloys in wrought or cast form. Oxford Alloy ER309L-HiSil is mostly used for welding dissimilar materials such as mild steel to stainless steel, as well as for a barrier layer in stainless overlays. The weld beads are exceptionally smooth due to good wetting.

AWS Chemical Composition						
C	Mn	Si	Cr	Ni	S	P
0.03 max	1.0- 2.5	0.65- 1.00	23.0- 25.0	12.0- 14.0	0.03 max	0.03 max
Mo	Cu					
0.75 max	0.75 max					

TYPICAL MECHANICAL PROPERTIES

Tensile strength: 82,650 psi 570 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.

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