



Supplier of Welding Alloys

Stainless Steel TIG, MIG and SUB-ARC Wire

Oxford Alloy® 317L

SPECIFICATIONS

AWS 5.9
ASME SFA 5.9

CLASSIFICATIONS

AWS ER317L
UNS S31783

DESCRIPTION / APPLICATION

Oxford Alloy ER317L is used for welding stainless steels with similar composition. This alloy offers high resistance to pitting and crevice corrosion because of its high molybdenum content. The lower carbon content of the Oxford Alloy ER317L makes the weld metal less susceptible to intergranular corrosion.

AWS Chemical Composition						
C	Mn	Si	Cr	Ni	S	P
0.03 max	1.0-2.5	0.30-0.65	18.5-20.5	13.0-15.0	0.03 max	0.03 max
Cu	Mo					
0.75 max	3.0-4.0					

TYPICAL MECHANICAL PROPERTIES

Tensile strength: 82,650 psi 570 MPa

Yield strength: 59,450 psi 410 MPa

Elongation: 42%

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

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