



Supplier of Welding Alloys

## Stainless Steel TIG, MIG and SUB-ARC Wire

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### Oxford Alloy® 347

**SPECIFICATIONS**

AWS 5.9  
ASME SFA 5.9

**CLASSIFICATIONS**

AWS ER347  
UNS S34780

**DESCRIPTION / APPLICATION**

Oxford Alloy ER347 is a columbium-stabilized stainless steel welding wire used to weld Types 321 and 347. Addition of columbium reduces the possibility of chromium carbide precipitation and consequent intergranular corrosion .

AWS Chemical Composition						
C	Mn	Si	Cr	Ni	Mo	S
0.08 max	1.0- 2.5	0.30- 0.65	19.0- 21.5	9.0- 11.0	0.75 max	0.03 max
P	Cu	Cb+Ta				
0.03 max	0.75 max	10 X C min/1.0 max				

**TYPICAL MECHANICAL PROPERTIES**

Tensile strength: 89,900 psi 620 MPa

Yield strength: 65,250 psi 450 MPa

Elongation: 41%

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

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