

Stainless Steel TIG, MIG and SUB-ARC Wire

Oxford Alloy[®] 410

SPECIFICATIONS

AWS 5.9
 ASME SFA 5.9

CLASSIFICATIONS

AWS ER410
 UNS S41080

DESCRIPTION / APPLICATION

Oxford Alloy ER410 is used to weld Types 403, 405, 410, and 416. It is also used for welding overlay on carbon steels to resist corrosion, erosion, or abrasion. Oxford Alloy ER410 is an air hardening type filler metal that calls for preheating of the joint to 350°F before welding.

AWS Chemical Composition						
C	Mn	Si	Cr	Mo	S	P
0.12 max	0.6 max	0.5 max	11.5-13.5	0.75 max	0.03 max	0.03 max
Ni	Cu					
0.6 max	0.75 max					

TYPICAL MECHANICAL PROPERTIES

Tensile strength: 78,300 psi 540 MPa

Yield strength: 49,300 psi 340 MPa

Elongation: 25%

Note: Mechanical properties listed above reflect utilization of a post-weld heat treatment between 1350°F and 1400°F for one hour.

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

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