

Mild and Low Alloy Steel TIG, MIG and SUB-ARC Wire

Oxford Alloy® 80S-Ni1

SPECIFICATIONS

AWS 5.28
 ASME SFA 5.28

CLASSIFICATIONS

AWS ER80S-Ni1
 UNS K11260

DESCRIPTION / APPLICATION

Oxford Alloy ER80S-Ni1 is used for welding low alloy high strength steels requiring good toughness at temperatures as low as -40°F (-40°C). The weld deposits of this filler metal are similar to Oxford Alloy E8018-C3 electrodes.

AWS Chemical Composition						
C	Mn	Si	P	S	Ni	Cr
0.12 max	1.25 max	0.40- 0.80	0.025 max	0.025 max	0.80- 1.10	0.15 max
Mo	V	Cu	OET			
0.35 max	0.05 max	0.35 max	0.50 max			

TYPICAL MECHANICAL PROPERTIES

Tensile strength: 87,000 psi 600 MPa
Yield strength: 76,850 psi 530 MPa
Elongation: 26%

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

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