

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

Oxford Alloy® 80S-B2

SPECIFICATIONS

AWS 5.28
 ASME SFA 5.28

CLASSIFICATIONS

AWS ER80S-B2
 UNS K20900

DESCRIPTION / APPLICATION

Oxford Alloy ER80S-B2 is designed for welding on 1-1/4 Cr / ½ Mo steels, which are used for high temperature service. Preheating and interpass temperatures of not less than 300°F must be used during welding.

*Note: Mechanical properties listed above reflect utilization of a post-weld heat treatment

AWS Chemical Composition						
C	Mn	Si	Cr	Mo	P	S
0.07-0.12	0.40-0.70	0.40-0.70	1.20-1.50	0.40-0.65	0.025 max	0.025 max
Cu	Ni	OET				
0.35 max	0.20 max	0.50 max				

TYPICAL MECHANICAL PROPERTIES

Tensile strength: 85,550 psi 590 MPa
Yield strength: 72,500 psi 500 MPa
Elongation: 26%

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

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