



Supplier of Welding Alloys

Mild and Low Alloy Steel Coated Electrodes

Oxford Alloy® 8018-B2

SPECIFICATIONS

AWS 5.5
ASME SFA 5.5

CLASSIFICATIONS

AWS E8018-B2
UNS W52018

DESCRIPTION / APPLICATION

Oxford Alloy E8018-B2 are used for welding of ½% Cr-½% Mo, 1% Cr - ½% Mo, and 1-¼% Cr - ½% Mo. These electrodes are used primarily in power piping and boiler work for the fabrication of plates, pipes, tubes, castings, and forgings.

AWS Chemical Composition						
C	Mn	Si	P	S	Cr	Mo
0.05-0.12	0.90 max	0.80 max	0.03 max	0.03 max	1.00-1.50	0.40-0.65

TYPICAL MECHANICAL PROPERTIES

Tensile strength: 97,150 psi 670 MPa
Yield strength: 85,550 psi 590 MPa
Elongation: 25%

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

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