

Mild and Low Alloy Steel Flux Cored Wire

Oxford Alloy® 81T1-B2

SPECIFICATIONS

AWS 5.29
 ASME SFA 5.29

CLASSIFICATIONS

AWS E81T1-B2
 UNS W52031

DESCRIPTION / APPLICATION

Oxford Alloy E81T1-B2 is an all position flux cored wire recommended for welding 1-14 % Cr 1/2% Mo steels. The weld metal analysis is similar to an E8018-B2 electrode. The recommended shielding gas is CO² or argon mixtures up to 75% Argon.

AWS Chemical Composition						
C	Mn	Si	P	S	Cr	Mo
0.05-0.12	1.25 max	0.80 max	0.03 max	0.03 max	1.00-1.50	0.40-0.65

TYPICAL MECHANICAL PROPERTIES

Tensile strength: 87,000 psi 600 MPa

Yield strength: 76,850 psi 530 MPa

Elongation: 25%

Stress relieved 1 hr. @ 1175°F (635°C) with CO²

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

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