



Supplier of Welding Alloys

Nickel Alloy Flux Cored Wire

Oxford Alloy® 82T-1

SPECIFICATIONS

AWS 5.34
ASME SFA 5.34

CLASSIFICATIONS

AWS ENiCr3T1-1/T1-4
UNS W86082

DESCRIPTION / APPLICATION

Oxford Alloy 82T-1 is a gas shielded all position flux cored wire that results in a deposit that is within the chemical composition requirements of AWS 5.34. Some typical applications include joining nickel-chromium-iron alloys, surfacing steel with nickel-chromium-iron weld metal, joining alloys 600, 601 and alloy 800 to themselves or to stainless and carbon steels. This flux cored wire is also used to clad the side of joints in steels that have been clad with nickel-chromium-iron weld metal.

AWS Chemical Composition						
C	Mn	Si	Cr	Fe	Cb	S
0.1 max	2.5-3.5	0.5 max	18.0-22.0	3.0 max	2.0-3.0	0.015 max
Ti	P	Ni	Cu			
0.75 max	0.03 max	67.0 min	0.5 max			

TYPICAL MECHANICAL PROPERTIES

Tensile strength: 89,030 psi 614 MPa

Yield strength: 58,000 psi 400 MPa

Elongation: 26%

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

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