

Bronze and Copper TIG & MIG Wire

Oxford Alloy® Deoxidized Copper

SPECIFICATIONS

AWS 5.7
 ASME SFA 5.7

CLASSIFICATIONS

AWS ERCu
 UNS C18980

DESCRIPTION / APPLICATION

Oxford Alloy Deoxidized Copper was an alloy developed to provide dense, high quality deposits with relatively high electrical conductivity for use in joining and overlay with the inert-gas processes. This alloy is primarily used to fabricate deoxidized copper and to weld repair copper castings with the gas metal-arc and gas tungsten-arc processes. It may also be used to weld galvanized steel and deoxidized copper to mild steel where high strength joints are not required. Proper shielding gas selection is one of the most important single factors to consider when welding with copper-base alloys. In most cases, 100% argon or 100% helium will provide best results.

AWS Chemical Composition						
Cu+Ag	P	Sn	Pb	Mn	Si	Al
98.0 min	0.15 max	1.0 max	0.02 max	0.50 max	0.50 max	0.01 max
OET						
0.50 max						

TYPICAL MECHANICAL PROPERTIES

Tensile strength: 29,000 psi 200 MPa
Yield strength: 7,975 psi 55 MPa
Elongation: 29%

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

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