

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

Oxford Alloy[®] 70S-2

SPECIFICATIONS

AWS 5.18
 ASME SFA 5.18

CLASSIFICATIONS

AWS ER70S-2
 UNS K10726

DESCRIPTION / APPLICATION

Oxford Alloy ER70S-2 is a triple deoxidized (aluminum, titanium, zirconium) welding wire designed for welding over rust and mill scale. The less fluid weld puddle of Oxford Alloy ER70S-2 makes it easier to control when used out of position. This wire is preferred for all position welding of small diameter pipe.

AWS Chemical Composition						
C	Mn	Si	P	S	Ni	Cr
0.07 max	0.90- 1.40	0.40- 0.70	0.025 max	0.035 max	0.15 max	0.15 max
Mo	V	Al	Zr	Ti	Cu	
0.15 max	0.03 max	0.05- 0.15	0.02- 0.12	0.05- 0.15	0.50 max	

TYPICAL MECHANICAL PROPERTIES

Tensile strength: 79,750 psi 550 MPa
Yield strength: 71,050 psi 490 MPa
Elongation: 29%

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

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