



Supplier of Welding Alloys

Stainless Steel TIG, MIG and SUB-ARC Wire

Oxford Alloy® 316/316H

SPECIFICATIONS

AWS 5.9
ASME SFA 5.9

CLASSIFICATIONS

AWS ER316/316H
UNS S31680

DESCRIPTION / APPLICATION

Oxford Alloy 316H is used for welding 316H base metal. This filler metal is the same as Oxford Alloy ER316, except that the allowable carbon content has been restricted to the higher portion of the 316 range. Carbon content in the range of 0.04 to 0.08 wt.% provides higher strength at elevated temperatures.

AWS Chemical Composition						
C	Mn	Si	Cr	Ni	Mo	S
0.04-0.08	1.0-2.5	0.30-0.65	18.0-20.0	11.0-14.0	2.0-3.0	0.03 max
P	Cu					
0.03 max	0.75 max					

TYPICAL MECHANICAL PROPERTIES

Tensile strength: 84,100 psi 580 MPa

Yield strength: 58,000 psi 400 MPa

Elongation: 38%

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

Data contained in this publication are typical of the products and properties described, but are not suitable for specifications.
OXFORD ALLOYS is a registered trademark of Oxford Alloys, Inc.