



Supplier of Welding Alloys

Aluminum TIG & MIG Wire

Oxford Alloy® 5356

SPECIFICATIONS

AWS A5.10
ASME SFA 5.10

CLASSIFICATIONS

AWS ER5356
UNS A95356

DESCRIPTION / APPLICATION

Oxford Alloy 5356 is a 5% magnesium aluminum filler metal. The weld deposit of this filler metal offers good corrosion resistance when exposed to salt water. This alloy is commonly used on base metals 5050, 5052, 5083, 5356, 5454 and 5456. The post-anodizing color tint of the weld area is white.

AWS Chemical Composition						
Si	Fe	Cu	Mn	Mg	Cr	Zn
0.25 max	0.40 max	0.10 max	0.05-0.20	4.5-5.5	0.05-0.20	0.10 max
Ti	Al	OEE	OET			
0.06-0.20	Bal	0.05 max	0.15 max			

TYPICAL MECHANICAL PROPERTIES

Tensile strength: 39,005 psi 269 MPa
Yield strength: 19,140 psi 132 MPa
Elongation: 17%

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

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