



Supplier of Welding Alloys

Aluminum TIG & MIG Wire

Oxford Alloy® 4043

SPECIFICATIONS

AWS A5.10
ASME SFA 5.10

CLASSIFICATIONS

AWS ER4043
UNS A94043

DESCRIPTION / APPLICATION

Oxford Alloy ER4043 is a 5% silicon aluminum. This alloy is recommended for welding 3003, 3004, 5052, 6061, 6063 and casting alloys 43, 355, 356 and 214. Oxford Alloy 4043 has a melting range of 1065 - 1170F and a density of .097 lbs./cu. in. The post-anodizing color tint of the weld area is gray.

AWS Chemical Composition						
Si	Fe	Cu	Mn	Mg	Zn	Ti
4.5-6.0	0.8 max	0.30 max	0.05 max	0.05 max	0.10 max	0.20 max
Al	OEE	OET				
Bal	0.05 max	0.15 max				

TYPICAL MECHANICAL PROPERTIES

Tensile strength: 27,115 psi 187 MPa
Yield strength: 18,125 psi 125 MPa
Elongation: 8%

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.
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