

## ALUMINUM

### MIG WIRES / TIG RODS (GMAW/GTAW)

# ALTIGWELD 1100

Alloy 1100 is highly resistant to chemical attack and weathering. It is a relatively soft alloy that is very formable and is used extensively in thin gauge and foil products. It has good welding characteristics and it is also used as a filler alloy for welding purposes. A desirable characteristic of the alloy is the bright finishes obtained by anodizing.

Specifications	
<b>Classifications</b>	AMS 4102 : (Chemistry Only) ANSI/AWS A5.10 : (ER & R) ASTM B316 QQ-A-430
<b>Approvals</b>	CWB

Approvals are based on factory location. Please contact ESAB for more information.

<b>Alloy Type</b>	Aluminum
-------------------	----------

Tensile Properties			
Testing Condition	Yield Strength	Tensile Strength	Elongation
As Welded	34 MPa ( 5 ksi )	90 MPa ( 13 ksi )	35 %
As Welded	103 MPa ( 15 ksi )	110 MPa ( 16 ksi )	2 %
As Welded	117 MPa ( 17 ksi )	124 MPa ( 18 ksi )	9 %
As Welded	138 MPa ( 20 ksi )	145 MPa ( 21 ksi )	6 %
As Welded	152 MPa ( 22 ksi )	165 MPa ( 24 ksi )	5 %

Typical Wire Composition %		
Cu	Si+Fe	Zn
0.07	0.55	0.01