

ES TIG 1100

GTAW

R1100

ESWECO
The Art of Welding

Description

ES TIG 1100 is highly resistant to chemical attack and weathering. It is a relatively soft alloy that is very formable and it is used extensively in thin-gauge and foil products. It has good welding characteristics. One desirable characteristic of the alloy is the bright finish obtained by anodizing. Non-heat treatable.

Current

AC

Classifications

SFA/AWS A5.10	R1100
EN ISO 18273	S Al 1100 (Al99,0Cu)

Typical all weld metal composition, %

Mn	V	Cu	Al	Ti	Zn
<0.05	<0.05	0.13	>99.0	<0.03	<0.1

Typical mech. Properties all weld metal

Yield stress, MPa	30
Tensile strength, MPa	75
Elongation, %	35

Welding parameters

Diameter, mm	Length, mm	Weight of rods/box, kg
1.6	1000	2.5
2.4	1000	2.5
3.2	1000	2.5
4.0	1000	2.5