

OK Autrod 1070

OK Autrod 1070 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. A desirable characteristic of the alloy is the bright finish obtained by anodising. Non-Heat treatable.

Specifications

Classifications	EN ISO 18273 : S Al 1070 (Al99,7)
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Alloy Type	Al
Shielding Gas	I1, I3 (EN ISO 14175)

Typical Tensile Properties

Condition	Yield Strength	Tensile Strength	Elongation
As Welded	35 MPa	75 MPa	45 %

Typical Wire Composition %

Mn	Si	V	Al	Cu	Fe
0.01	0.02	0.01	99.80	0.01	0.13

Recommended Welding Parameters

Current	Wire Diameter	Voltage
90-275 A	1.0 mm	15-26 V
140-260 A	1.2 mm	20-29 V
140-300 A	1.2 mm	20-29 V
190-350 A	1.6 mm	25-30 V
190-350 A	2.0 mm	25-30 V
280-400 A	2.4 mm	26-31 V