

OK Tigrod 5087

Bare welding rod suitable for welding of aluminium alloys with up to 5 % Mg and alloys where a higher tensile strength is required. The alloying element Zr gives improved properties against hot cracking during solidification.

Specifications

Classifications	SFA/AWS A5.10 : R5087 EN ISO 18273 : S Al 5087 (AlMg4,5MnZr)
Approvals	CE : EN 13479 DB : 61.039.08 VdTÜV : 05796

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

Alloy Type	AlMgMn
Shielding Gas	I1, I2, I3 (EN ISO 14175)

Typical Tensile Properties

Condition	Yield Strength	Tensile Strength	Elongation
As Welded	130 MPa (19 ksi)	280 MPa (41 ksi)	30 %

Typical Charpy V-Notch Properties

Condition	Testing Temperature	Impact Value
As Welded	20 °C (68 °F)	35 J (26 ft-lb)

Typical Wire Composition %

Mn	Si	Cr	Al	Cu	Ti	Zn	Zr	Fe	Mg
0.8	0.04	0.08	Rem	0.01	0.08	0.01	0.11	0.12	4.7