

OK Tigrod 4047

OK Tigrod 4047 was originally developed as a brazing alloy to take advantage of its low melting point and narrow freezing range. In addition, it has higher silicon content than OK Tigrod 4043, which provides an increased fluidity and reduced shrinkage. Hot cracking is significantly reduced when using OK Autrod 4047 as a filler alloy. The alloy may be used in applications of sustained elevated temperatures. Non-heat treatable.

Classifications Wire Electrode:	EN ISO 18273:S Al 4047 (AlSi12), SFA/AWS A5.10:R4047
Approvals:	CWB AWS A5.10

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

Alloy Type:	Alloyed aluminium (Al + 12 % Si)
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Typical Tensile Properties

Condition	Yield Strength	Tensile Strength	Elongation
As welded	55 MPa	124 MPa	12 %

Typical Wire Composition %

Mn	Si	Al	Cu	Fe	Zn
0.01	11.5	Rem	0.01	0.18	0.01

OK Tigrod 5087

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

Classifications Wire Electrode:	EN ISO 18273:S Al 5087 (AlMg4,5MnZr), SFA/AWS A5.10:R5087
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
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Typical Tensile Properties

Condition	Yield Strength	Tensile Strength	Elongation
As welded	130 MPa	280 MPa	30 %

Typical Charpy V-Notch Properties

Condition	Testing Temperature	Impact Value
As welded	20 °C	35 J

Typical Wire Composition %

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