

OK Tigrod 347Si

Bare, corrosion-resistant, chromium-nickel rods for welding austenitic chromium nickel alloys of the 18% Cr-8% Ni type. OK Tigrod 347Si has good general corrosion resistance. The alloy is stabilised with niobium to improve resistance to the intergranular corrosion of the weld metal. The higher silicon content improves the welding properties such as wetting. Due to the niobium content, this alloy is recommended for use at higher temperatures.

Classifications Wire Electrode:	SFA/AWS A5.9:ER347Si, Werkstoffnummer :-1.4551, EN ISO 14343-A:W 19 9 Nb Si
Approvals:	NAKS/HAKC 1.6MM-2.4MM, VdTÜV 09736

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

Alloy Type:	Austenitic (with approx. 8 % ferrite) 19% Cr - 9% Ni - Nb
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Typical Tensile Properties

Condition	Yield Strength	Tensile Strength	Elongation
As welded	440 MPa	640 MPa	35 %

Typical Charpy V-Notch Properties

Condition	Testing Temperature	Impact Value
As welded	20 °C	90 J
As welded	-60 °C	75 J

Typical Wire Composition %

C	Mn	Si	Ni	Cr	Mo	Cu	Nb	Ferrite FN
0.04	1.7	0.7	9.8	19	0.1	0.10	0.60	7