

Stainless Steel Gas Shielded Welding Wire



ELOX SG 347 Si

Standards :

TS EN ISO 14343-A :	G 19 9 Nb Si
EN ISO 14343-A :	G 19 9 Nb Si
AWS A5.9 :	ER 347 Si

Chemical Composition of Welding Wire % (Typical) :

C	Si	Mn	Cr	Ni	Nb
0,035	0,9	1,2	19,4	9,7	+

Mechanical Properties (MIG) :

Yield Strength (N/mm ²)	Tensile Strength (N/mm ²)	Impact Strength (ISO-V/+20°C)	Elongation (L ₀ =5d ₀)(%)
min. 400	570 - 710	min. 63 J	min. 30

Typical Base Material Grades :

* X6 CrNiNb 18 10, X6 CrNiTi 18 10, G-X5 CrNiNb 18 9, X5 CrNi 18 10, G-X 10 CrNi 18 8, X12 CrNiTi 18 9, X10 CrNiNb 18 10, 304, 321, 347, A 157 C 9, A 296 CF 8 C, A 320 B 8 C, A 320 B 8 D.

Features and Applications :

- * Used for the welding of 13% Cr steels which are used in the textile, paper, paint and food industries.
- * Resistant to corrosion up to +400°C, suitable for MIG welding.
- * Ar+ %2.5 O₂ or Ar+ %2.5 CO₂ mixed gases are used for shielding, also used for the welding of materials which have the similar chemical composition to welding wire.

Welding Positions :



Current Type :

MIG D.C.(+)

Operating Data :

Diameter x Length (mm)	Diameter x Length (inch)	Weight Kg	Package Type
0.8	0.030"	12.5	K 300 D 300
1.0	0.040"	15	
1.2	0.047"	15	

Approvals :

GOST-R, SEPRO