

Standards

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

Chemical Composition of Welding Wire % (Typical)

C	Si	Mn	Cr	Ni	Nb
0.035	0.5	1.4	19.4	9.5	+

Mechanical Properties

Yield Strength (N/mm ²)	Tensile Strength (N/mm ²)	Impact Strength (ISO-V/+20°C)	Elongation ((L ₀ =5d ₀) (%))
min. 430	600 - 740	min. 63 J	min. 30

Typical Base Material Grades

- X6 CrNiNb 18 10, X6 CrNiTi 18 10, G-X5 CrNiNb 18 9, X-5 CrNi 18 10, G-X10 CrNi 18 8, X12 CrNiTi 18 9, X10 CrNiNb 1810
- AISI & ASTM: 304, 321, 347, A157Gr.C9, A296Gr.CF8C, A320Gr.B8C, A320Gr.B8D

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 TIG welding
- Argon is the shielding gas and it is also used for the welding of materials which have the similar chemical composition to welding wire

Welding Positions



Current Type

TIG D.C.(-)

Operating Data

Product Code	Diameter x Length (mm) / (inch)		Weight (Kg)	Package Type
6011100360	1.6 x 1000	1/16 x 39"	5	Plastic Box
6011100361	2.0 x 1000	5/64 x 39"	5	Plastic Box
6011100362	2.4 x 1000	3/32 x 39"	5	Plastic Box
6011100363	3.2 x 1000	1/8 x 39"	5	Plastic Box

Approvals: CE, SEPRO