ELOX SG 309 L

Standards

TS EN ISO 14343-A	: W 23 12 L
EN ISO 14343-A	: W 23 12 L
AWS A5.9	: ER 309 L

Chemical Composition of Welding Wire % (Typical)

C	Si	Mn	Cr	Ni
0.03	0.45	1.80	23.5	13.0

Mechanical Properties

Yield Strength (N/mm^2)	Tensile Strength (N/mm^2)	Impact Strength (ISO-V/+20°C)	Elongation ($(L_o=5d_o)$ (%))
min. 320	min. 520	min. 47 J	min. 30

Typical Base Material Grades

- Ferritic Cr and austenitic CrNi steels, austenitic manganese steels, unalloyed high strength steels, high temperature steels

Features and Applications

- Applicability on ferritic Cr or austenitic CrNi steels, austenitic manganese steels, unalloyed high-strength steels, heat-treated steels
- Usability in welding austenitic stainless steels, in joint-welding of different kinds of metals, in buffer layers, in joint-welding of corrosion-resistant stainless steels to each other or to low-alloyed steels, and in welding coated steels
- Requirement of use of Ar as shielding gas

Welding Positions

Current Type

TIG D.C.(-)

Operating Data

Product Code	Diameter x Length (mm) / (inch)		Weight (Kg)	Package Type
6011100333	1.6 x 1000	1/16 x 39”	5	Plastic Box
6011100334	2.0 x 1000	5/64 x 39”	5	Plastic Box
6011100335	2.4 x 1000	3/32 x 39”	5	Plastic Box
6011100396	3.2 x 1000	1/8 x 39”	5	Plastic Box

Approvals: CE, SEPRO