

DESCRIPTION

Executive ER316LSi wire is designed to provide clean and consistent welds with excellent feedability and minimal clean-up. By maintaining tight control from the country of melt to the design of the spool Executive wire provides welders with the highest quality stainless bare wire.

Executive ER316LSi has a high silicon content that allows for better wetting out smoother welds with a clean final bead appearance. High silicon bare wire is ideal for its enhanced weldability.

Executive ER316L is a molybdenum bearing alloy which increases pitting corrosion resistance.

APPLICATIONS & FEATURES

Executive ER316LSi is used in pressure piping, vessel manufacturing, and general manufacturing and fabrication.

Executive ER316LSi has a maximum carbon level of 0.03% which enhances the resistance to intergranular corrosion.

TYPICAL WIRE CHEMISTRY & MECHANICAL PROPERTIES

C	Cr	Ni	Mo	Mn	Si	P	S	Cu	N	
0.017	18.26	11.24	2.53	1.57	0.89	0.024	0.004	0.12	0.065	
Tensile Strength:		80,700 PSI min						Elongation:		40%
Yield Strength:		55,100 PSI min								

TYPICAL WELDING PARAMETERS

Process	Diameter	Voltage	Amperage	Gas Flow	Shielding Gas / Flux
GMAW - Short - Spray	.035"	21-22	160-200	30 to 50 CFH	98% Ar / 2% O ₂
	.045"	22-23	180-210		
	.035"	23-25	190-260		90% Ar / 10% O ₂
	.045"	25-28	250-330		
GTAW	.093"	Direct Current; Electrode -		30 to 40 CFH	100% Ar
SAW	.093"	29-32	300-350		Record IN Flux
	.125"	29-32	400-550		

STANDARD PACKAGING

GMAW (MIG)	33-lb wire baskets	1,980-lb pallet
	11-lb plastic spools	11-lb box
	2-lb plastic spools	8-lb box
GTAW (TIG)	10-lb plastic tube	40-lb box
SAW	60-lb wire coil	1,200-lb pallet

CLASSIFICATION

AWS/SFA 5.9, Class **ER316LSi**
Certified by the Canadian Welding Bureau (CWB) to AWS A5.9.

