

AK ER308LSi

Description: A super low carbon and high silicon Stainless welding wire. The low carbon content helps prevent intergranular corrosion and higher silicon increase weld puddle fluidity, suitable for high speed welding.

Application: Used to weld super low carbon 21%Cr10%Ni or similar stainless steels, like ASTM 304L, 304LN, 308L base metal etc

Typical Chemical Composition(%):

	C	Si	Mn	S	P	Ni	Mo	Cr	Cu
Requirement	0.03	0.65-1.0	1.0-2.5	0.03	0.03	9.0-11.0	0.75	19.5-22.0	0.75
Actual Result	0.02	0.75	1.89	0.021	0.018	9.57	0.05	19.98	0.08

Typical Mechanical Properties:

	Tensile strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Requirement	---		---	
Actual Result	605		41	89J(-40°C)