

AK ER309L

Description: A super low carbon stainless steel welding wire that has high deposition efficiency, is used for joining similar 309L alloys or for joining 300- series stainless steels to carbon or low alloy steels. The low carbon helps to help prevent intergranular corrosion.

Application: Used to weld super low carbon 24%Cr13%Ni and similar stainless steels, like ASTM 309S etc.

Typical Chemical Composition(%):

	C	Si	Mn	S	P	Ni	Mo	Cr	Cu
Requirement	0.03	0.30-0.65	1.0-2.5	0.03	0.03	12.0-14.0	0.50	23.0-25.0	0.75
Actual Result	0.021	0.61	2.21	0.007	0.019	13.95	0.01	23.08	0.09

Typical Mechanical Properties:

	Tensile strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Requirement	—		—	
Actual Result	580		38	81J(-60°C)