

AK ER308L

Description: A super low carbon Stainless welding wire used to weld Types 201, 302, 304 and 308 stainless plates of steel. Can also be used for joining some dissimilar 300 series plates of steel. The low carbon content helps prevent intergranular corrosion.

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	0.3-0.65	1.0-2.5	0.03	0.03	9.0-11.0	0.75	19.5-22.0	0.75
Actual Result	0.018	0.55	1.96	0.009	0.018	9.88	0.05	19.83	0.05

Typical Mechanical Properties:

	Tensile strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Requirement	—		—	
Actual Result	570		38	45J(-196°C)