

AK ER308Si

Description:

ER308Si is a silicon-enhanced austenitic stainless steel wire for welding 304-type stainless steels. Higher silicon improves fluidity, wetting, and bead appearance, while maintaining solid corrosion resistance, stable arc characteristics, and smooth welding performance.

Application Scenario:

ER308Si is ideal for thin plate, decorative stainless fabrication, piping, tanks, and automated welding lines where smooth bead shape and reduced post-weld finishing are important. It is commonly used in food equipment, household appliances, and general stainless production.

Typical Chemical Composition(%):

	C	Cr	Ni	Mo	Mn	Si	P	S	Cu
Requirement	0.08	19.5-22.0	9.0-11.0	0.75	1.0-2.5	0.65-1.0	0.030	0.030	0.75
Actual Result	0.02	20.36	10.85	0.50	1.85	0.80	0.015	0.015	0.40

Typical Mechanical Properties:

	Tensile strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Requirement	---		---	
Actual Result	640		45	