

AK ER310

Description: The wire is a 26%Cr-21%Ni pure austenitic stainless steel wire. Good high temperature corrosion resistance, up to 1200 °C. The welding arc is stable, the shape is beautiful, and it can be welded in all positions.

Application: For high temperature resistant products such as high temperature furnaces. Coal coking equipment, such as 2520 steel, can also be used for cladding and welding of dissimilar steels.

Typical Chemical Composition(%):

	C	Si	Mn	S	P	Ni	Mo	Cr	Cu
Requirement	0.08-0.15	0.30-0.65	1.0-2.5	0.03	0.03	20.0-22.5	0.75	25.0-28.0	0.75
Actual Result	0.081	0.56	1.75	0.010	0.013	20.57	0.07	26.21	0.09

Typical Mechanical Properties:

	Tensile strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Requirement	——		——	——
Actual Result	630		34	——