

AK ER2209

ER2209 is a duplex stainless steel welding consumable widely used in the petrochemical industry, offshore platforms, shipbuilding, and other fields. Excellent resistance to stress corrosion cracking (especially in chloride environments) and pitting corrosion. Suitable for all positions (including horizontal, horizontal, vertical, and overhead).

Typical Chemical Composition(%):

	C	Si	Mn	S	P	Ni	Mo	Cr	N
Requirement	0.03	0.9	0.5-2.0	0.030	0.040	7.5-10.5	2.5-3.5	21.5-23.5	0.08-0.20
Actual Result	0.014	0.46	1.52	0.009	0.010	8.9	3.1	23.1	0.16

Typical Mechanical Properties:

	Tensile strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Requirement	——	——	——	——
Actual Result	802MPa	520MPa	28%	——