

AK E309L-15

Description: E309L-15 is another low carbon electrode suitable for welding stainless steel to carbon or low-alloy steel. It offers similar characteristics to E309L-16, including good resistance to intergranular corrosion and cracking. However, E309L-15 has a higher tensile strength, making it ideal for applications that require higher strength in the welded joints. This electrode is commonly used in the construction of pressure vessels, pipelines, and structural components

Typical Chemical Composition(%):

	C	Si	Mn	S	P	Ni	Mo	Cr	Cu
Requirement	0.04	1.0	0.5- 2.5	0.03	0.04	12.0-14.0	0.75	22.0-25.0	0.75
Actual Result	0.036	0.75	1.12	0.011	0.025	12.92	0.03	23.72	0.04

Typical Mechanical Properties:

	Tensile strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Requirement	≥ 520		≥30	
Actual Result	610		35	