

AK E347-15

Description: E347-15 is a basic coated electrode depositing 18Cr - 10Ni - Nb stabilized weld metal, suitable for joining of stainless steels of similar composition. It is ideal for welding of AISI 304, 304L, 321, 347 and their equivalents. The weld metal has excellent resistance to intergranular corrosion.

Typical Chemical Composition(%):

	C	Si	Mn	S	P	Ni	Mo	Cr	Nb+Ta
Requirement	0.08	1.00	0.5-2.5	0.03	0.04	9.0- 11.0	0.75	18.0-21.0	8*C-1.0
Actual Result	0.039	0.86	0.93	0.010	0.024	9.35	0.05	18.82	0.35

Typical Mechanical Properties:

	Tensile strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Requirement	≥ 520		≥30	
Actual Result	610		34	