

AK ENiCrMo-4

Description: ENiCrMo-4 type C276 is used for welding materials of similar composition. This material may also be used for dissimilar welding between nickel base alloys and stainless steels as well as for surfacing and cladding. It offers excellent resistance to stress cracking, pitting and crevice corrosion.

Application: Suitable for welding low carbon Ni-Cr-Mo series alloy. such as Hastelloy C276 ASTM B574, and etc ;Can be used for dissimilar steel welding between different nickel alloy.

Typical Chemical Composition(%):

	C	Si	Mn	S	P	Fe	Ni	Cr	Mo
Requirement	0.20	0.20	1.00	0.03	0.04	4.00-7.00	bal.	14.5-16.5	15.0-17.0
Actual Result	0.018	0.18	0.45	0.008	0.009	5.71	57.9	15.7	16.0

Typical Mechanical Properties:

	Tensile Strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Requirement	≥690	——	25	
Actual Result	770	570	40	