



GB/T 13814 ENi 6276

AWS A5.11 ENiCrMo-5

EN ISO 14172- ENi 6276

AK ENiCrMo-5

Description: ENiCrMo-5 nickel electrodes deposits Ni-Cr-Mo-W-Co. The weld deposit has excellent heat resistance and strength up to 1000 Deg C. The deposit work hardens under impact load and the hardness is retained even at elevated temperatures. The weld deposit of nickel electrodes has high resistance to static or cyclic loads at high temperatures. ENiCrMo-5 nickel electrodes are ideally suited for surfacing applications and joining applications to resist corrosion due to chloride environment and for surfacing of hot working tools, dies, punches, etc

Typical Chemical Composition(%):

	C	Si	Mn	S	P	Fe	Ni	Cr	Mo	Co	V	W
Requirement	0.10	1.0	1.00	0.03	0.04	4.00-7.00	Rem.	14.5-16.5	15.0-17.0	2.5	0.35	3.0-4.5
Actual Result	0.06	0.65	0.45	0.008	0.009	5.52	Rem.	15.25	16.24	1.85	0.2	3.6

Typical Mechanical Properties:

	Tensile Strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Requirement	—	—	—	
Actual Result	725	—	35	