



GB/T 5293S49A /P7FB-SUN7

AWS A5.23 F7P10-ENi3-Ni3

EN ISO 14171-AS427FBT2Ni3

AK ENi3

Description: ENi3 is a 3.5NI low-temperature steel buried arc welding wire. S, P content is low, good mechanical properties, especially low temperature impact toughness.

Application: With welding (such as AKJ208DR,AKJ218D, etc.), it is suitable for welding of "coal chemical industry" and the pressure container of the petrochemical industry for -101°C, such as the buried arc welding of steel such as Asme SA 203GR.E.

Typical Chemical Composition(%):

	C	Si	Mn	S	P	Cr	Ni		
Requirement	0.13	0.03-0.30	0.60-1.20	0.025	0.03	—	2.80-3.90		
Actual Result	0.04	0.15	0.93	0.005	0.009	0.01	3.56		

Typical Mechanical Properties:

	Tensile Strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Requirement	480-660	≥400	22	27J(-60°C)
Actual Result	553	460	27	138