

AKR407C

GB/T 5118 E6216 2C1M AWS A5.5 E9015-B3 EN ISO 3580 B E6216 2C1M

Description: Low hydrogen type coating of low alloy heat-resistant steel electrode for sodium, has good resistance to fatigue cracking of welded joint performance, excellent resistance to temper embrittlement and its mechanical properties of welded joint of high operating characteristics of an electrode, and suitable for field installation and construction, and compared to ordinary steel velding material, has the folloring characteristics: **1.** Deposited wetal purity, impurities such as S and p is extremely low, s<0.10%, P<0.10%. **2.** Excellent low tesperature toughness of deposited wetal, KVg(-30C) \geq 54J. **3.** Excellent resistance to temper embrittlement of weld wetal, x factor is very lon.

Application: Used in the petroleum refining petrochemical, coal chemicals, stesm turbine cylinder, thermal power, nuclear energy and other harsh conditions corrosive wedium large, complex equipment ASME SA387 Gr. 22 Class 2 (12Cr2Mo1R) class steel plate welding.

Typical Chemical Compostion(%):

	С	Mn	Р	S	Si	Cr	Мо	Sb	As	Sn	х
Actual Result	0.07	0.69	0.006	0.003	0.2	2.25	1.05	0.001	0.003	0.001	7.2

Typical Mechanical Properties:

(1)=normaltemperature (2)=heattreatment 690 °C×8h (3)=heattreatment 690 °C×26h

${\mathbb C}$	Tensile strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)	
1	600	500	23		
475		450		2 159 164 185	
1	550	460	25		
475		430		③ 163 135 144	