



AK ER80S-Ni1 AWS A5.28 ER80S-Ni1

Low Temperature Steel Welding Rod

3.2mm*1000mm

Lot No.: TJ2114602

Date: Jul.01.2024

AK ER80S-Ni1	EN ISO 14341	AWS A5.28	Certificate number
Welding rod	A:G 46 5 M13 3Ni1	ER80S-Ni1	2407-0101

CHEMICAL COMPOSITION OF WIRE (%)

	C	Si	Mn	S	P	Ni	Cr	V	Mo	Cu
%	0.08	0.60	1.03	0.004	0.010	0.97	0.01	0.001	0.003	0.10

THE TEST RESULTS OF MECHANICAL PROPERTY OF DEPOSITED METAL

Tension Test			Impact test	
Tensile Strength (Mpa)	Yield Point (Mpa)	Elongation (%)	Temp (0C)	Impact Value(J)
598	540	28	-45	94/92/80

Bend test—Face	Bend test—Side	Redrying	X Reys Test	Dictionary flux	HRC	HD
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NOTICE: The results reported are based upon testing of the product under controlled laboratory conditions in accordance with American Welding Society Standards. Actual use of the product may produce different results due to varying conditions. An example of such conditions would be electrode size, plate chemistry, environment, weldment design, fabrication methods, welding procedure and service requirements. Thus the results are not guarantees for the use in the field. The manufacturer disclaims any warranty of merchantability of fitness for any particular purpose with respect to its products.

CAUTION: Consumers should be thoroughly familiar with the safety precautions on the warning label posted in each shipment and in the American National Standards A49.1, "Safety in Welding and Cutting," published by the American Welding Society, 550 NW LeJune Road, Miami, FL 33126: OSHA Safety and Health Standards 29 CRF 1910 is available from the U.S. Department of Labor, Washington, D.C. 20210.