

Certificate of Conformance to Requirements for Welding Electrode

Product Type: Fabshield 81N1

Classification: E71T8-Ni1 J H8

Specifications: AWS A5.29/A5.29M; ASME SFA 5.29

Diameter Tested: 5/64"

Date Tested: 6/22/2023

Date Generated: 8/3/2023

This is to certify that the product named above and supplied on the referenced order number is of the same classification, manufacturing process, and material requirements as the material which was used for the test that was concluded on the date shown, the results of which are shown below. All tests required by the specifications shown for classification were performed at that time and the material tested met all requirements. It was manufactured and supplied by the Quality System Program of Hobart Brothers, which meets the requirements of ISO 9001, ANSI/AWS A5.01, and other specification and Military requirements, as applicable. This document supplies actual test results of non-specific inspection in conformance with the requirements of EN 10204, type 2.2 certification.

THE STEEL USED IN THIS LOT OF MATERIAL WAS MELTED AND MANUFACTURED IN THE U.S.A.

Test Settings Travel Speed Amps / Polarity ESO in(mm) Preheat F(C) Interpass F(C) Shielding Medium Volts in/min(m/min) in/min(cm/min) N/A 250 / DCEN 110 (2.8) 1.25 (32) 300(149) 300(149) 6 (15.2) **Mechanical Properties - Tensile** Lllt Tensile Strength psi (MPa)

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Mechanical Properties - Impact								
N/A PE6467		Aged 48 Hrs 220F	81,000	81,000 (561)		000 (487)	28	
Sillelaing Mediain	Rei. No.	resuring Conditions	Oil. Terisile Sti	Oit. Terisile Strength psi (MPa)		engin psi (ivira)	Elong. 76 In Z	

	Shielding	g Medium	Ref. No.	Testing Conditions	Temp. F (C)	Individuals ft.lb.(J)	Avg. ft.lb.(J)	Туре
	N	/A	PE6467	As Welded	-40 (-40)	151,88,182 (205,119,247)	140 (190)	Charpy-V-Notch
	Ref.No. Radiographic Inspection		Fillet Weld Test					
П	PF6467 Conforms		Horizontal:		Overhead Conform	ns Vertica	ol Conforms	

Chemical Analysis Shielding Medium / Ref. No С Mn S Cu Cr N/A / 0.03 1.24 0.008 0.005 0.05 0.03 < .01 0.92 0.01 0.75 CD96139

Diffusible Hydrogen Collected per AWS A4.3

N/A	5.5 ml/100g of weld metal for 5/64 in diameter 30% relative humidity
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James A. Owens, Q.A. Specialist

Certification and Limited Warranty - Data for the above supplied product are those obtained when welded and tested in accordance with the above specification. All tests for the above classification were satisfied. Other tests and procedures may produce different results.