

Certificate of Conformance to Requirements for Welding Electrode

Product Type: **PIPEMASTER 80**

Classification: E8010-P1

AWS A5.5/A5.5M; ASME SFA 5.5 Specifications:

5/32"; 3/16" Diameter Tested: 7/24/2023 Date Tested: Date Generated: 8/28/2023

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.

MADE IN THE U.S. O	F U.S. AND IMP	ORTED	MATI	ERIALS.																						
							Test	Settin	igs																	
Size			Polarity					Amp	s	Volts			Preheat F(0				C) Interpass F(C)									
3/16X14 in			DCEP					160			27				350F ()				350F ()							
5/32X14 in			DCEP								27				350F			())				350F ()			
					N	lechan	ical P	ropert	ies - T	ensile										_					_	
Size / Polarity	Ref. No.	Testing Conditions				Ult. Tensile Strength psi(N				MPa) Yield Strength ps				si(MPa)				Elong.% in 2"								
3/16X14 in / DCEP	PE6595	Aged 48 Hrs 220F				86,000 (592)					70,000 (480)						П			23						
5/32X14 in / DCEP	PE6490	Aged 48 Hrs 220F				86,000 (596)				70,000 (481				1)				24								
					Ň	lechan	ical F	ropert	ies - I	mpact										_						
Size / Polarity	Ref. No.	Testing Conditions			;	Test Temp. F(C)				Individuals ft.lb.(J)				Average ft.lb.(J)					Туре							
3/16X14 in / DCEP	pe6137		As We	elded		-20 I	- (-29	(C)		56,56,5	,54 (76,76,73)				55 (75)				Charpy-V-Notch					1		
5/32X14 in / DCEP	PE6490		As Welded			-20 F (-29 C)				55,56,57 (75,76,77)				56 (76)				Charpy-V-Notch								
Size / Polarity	Ref. No.	i	Radio	graph	T	Fillet Weld Test																				
3/16X14 in / DCEP	PE6137	Conforms				Horizontal :					Overhead :				: Conforms				Vertical : Conforms							
5/32X14 in / DCEP	PE6490	Confo	rms			Horizontal :					Overhead :				: Conforms				Vertical : Conforms							
						С	hemi	cal An	alysis																	
Size / Polarity / Ref. No.		С	Mn	Р	s	Si	Cu	Cr	V	Ni	Мо	ΑI	Ti	Nb	Со	ВW	/ Sr	n Fe	Sb	N	Mg	Zn	Ве	Sb	As	
3/16X14 in / DCEP / PE6137		0.15	0.53	0.010	0.010	0.11		0.06	0.01	0.75	0.12	Π	П					T		Т						
5/32X14 in / DCEP / PE6490		0.19	0.60	0.010	0.018	0.13		0.05	0.01	0.81	0.14		П				\top			T						

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.