

Certificate of Conformance to Requirements for Welding Electrode

Product Type: PIPEMASTER PRO-60

Classification: **E6010**

Specifications: AWS A5.1/A5.1M: ASME SFA 5.1

Diameter Tested:

Date Tested: 12/13/2021
Date Generated: 12/21/2021

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. OF U.S. AND IMPORTED MATERIALS

MADE IN THE U.S. OI	F U.S. AND IM	PORTED N	MATER.	IALS.	•																				
							Tes	st Setti	ngs																
Size		Polarity					Amps Volts						Preheat F(C					Interpass F(C)							
5/32X14 in		DCEP					130	0	26-28				225 (107) 350 (177)								
1/8X14 in		DCEP					105				26-27			225 (107			07)) 300 (149)							
Mechanical Properties - Tensile																									
Size / Polarity	Ref. No.	Testi	Testing Conditions				Ult. Tensile Strength psi(N					MPa) Yield Strength ps				si(MPa)				Elong.% in 2"					
5/32X14 in / DCEP	PE3197	Aged	Aged 48 Hrs 220F				69,0	7)	59,000 (409)									27							
1/8X14 in / DCEP	PE3342	Aged 48 Hrs 220F					87,0	0)	68,000 (466)									23							
Mechanical Properties - Impact																									
Size / Polarity	Ref. No.	Testi	Testing Conditions				Test Temp. F(C)				Individuals ft.lb.(J)				Average ft.lb.(J)) Type						
5/32X14 in / DCEP	PE3197	A	As Welded				-20 F (-29 C)				39,51,45 (53,69,61)				45 (61)				Charpy-V-Notch						
1/8X14 in / DCEP	PE3342	A	As Welded				-20 F (-29 C)				29,30,42 (39,41,57)				34 (46)				Charpy-V-Notch						
Size / Polarity	Ref. No.	R	Radiograph					Fillet Weld Test																	
5/32X14 in / DCEP	PE3197		Conforms			Horizontal :							: Conforms				Vertical : Conforms								
1/8X14 in / DCEP	PE3342	Conform	Conforms				Horizontal :								: Conforms				Vertical : Conforms						
							Chem	ical A	nalysis																
Size / Polarity / Ref. No.		С	Mn	PS	Si	Cu	Cr	V	Ni	Мо	Al	Ti	Nb	Со	вν	' Sı	ı Fe	Sb	N	Mg	Zn	Ве	Sb	As	
5/32X14 in / DCEP / PE3197		0.14	0.42		0.17		0.02	0.01	0.02	< .01															
1/8X14 in / DCE	0.17	0.33		0.09		0.05	0.01	0.07	0.01																

Dave Thomas, Quality Assurance Rep.

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.