

Certificate of Conformance to Requirements for Welding Electrode

Product Type:	Quantum Arc D2
Classification:	ER80S-D2; ER90S-G
Specifications:	AWS A5.28/A5.28M; ASME SFA 5.28
Diameter Tested:	.045
Date Tested:	12/8/2022
Date Generated:	1/29/2025

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.

					lest S	ettings	;										
Shielding Medium	Amps /	Amps / Polarity		Volts WFS		E	· · ·		Pre	eheat F(C)		Interpass F(C)			Travel Speed in/min(cm/min		
C1 (100% CO2)	2) 300 / DCEP		30		460 (11.7)				3	300(149)			300(149)		14.2 (36.1)		
			Me	chanic	· ·	_		,	-		<u> </u>		. ,				
Shielding Medium	Ref.	No.	3	Condition	1			ength psi	(MPa)	Yield	d Stren	gth psi	(MPa)	E	long.%	in 2"	
C1 (100% CO2)	PE	PE5176 Aged 48 Hrs 220		F	94,000 (651)				77,00		00 (532)			24			
			M	echanic	al Pro	operties	s - Im	pact									
Shielding Medium	Ref. No		Testing Cor	esting Conditions T		emp. F (C) Indi		viduals t	s ft.lb.(J)		Avg. ft.lb.(J)			Туре			
C1 (100% CO2)	PE5176			led	-20 (-29)		41,43,45 (56,				43 (58)			Charpy-V-No			
	ohic Inspectic nforms				Fillet Weld Test												
PE5237 0 C0	lionis			lorizontal : Che		I Analy	sis	0	verneau	•			Verti	icai.			
Shielding Medium / Ref. No	0 C	Mn	P S	S Si	Cu	Cr V	1	Mo A	AI TI N	b Co	вws	Sn Fe	Sb N N	/a []	Zn Be	Sb	
NONE / CD91995	0.10	1.60		0.69		0.06	0.04	0.40				+		Ť	+		
			Ja	, n.co James A		s, Q.A. Sp											