

FabCOR 100

Product Type:

Certificate of Conformance to Requirements for Welding Electrode

Classification: E100C-K3 Specifications: AWS A5.28/A5.28M; ASME SFA 5.28 .045" Diameter Tested: 8/03/2023 Date Tested: Date Generated: 12/14/2023 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. Travel Speed

Shieldir	Amps /	Polari	ty Volts		in/min(m/min)		1)	ESO in(mm)			Preheat F(C)				;)	Interpass F(C)					in/min(cm/min)				
M20-	230 /	/ DCEP		28	480	(12.2)		5/8 (16)				300(149)				300(149)					15 (38.1)				
					Мес	hani	cal P	ropei	rties -	Tens	sile														
Shieldi	Ref	. No.	Testing Conditions				Ult. Tensile Strength psi (N				(MP	MPa) Yield Strengt				gth psi (MPa)					Elong.% in 2"				
M20	PE	PE6648		Aged 48 Hrs 220F				110,000 (758)				100,000 (0 (690)					23				
Mechanical Properties - Impact																									
Shielding	Ref. No	э.	Testin	Testing Conditions			Temp.	Temp. F (C) Indiv				viduals ft.lb.(J)				Avg. ft.lb.(J)					Type				
M20-	PE664	8	As	s Welded	t	-60 (-51)				56,57,57 (76,7				,77,77)			57 (77)				Charpy-V-Note			tch	
Ref.No.							Fillet Weld Tes																		
PE6648	PE6648 Conforms				Horizontal :						Overhead :					Vertical :									
						Ch	nemic	al Ar	nalysi	s															
Shielding N	Shielding Medium / Ref. No			Р	S	Si	Cu	Cr	V	Ni	Мо	ΑI	Ti IT	√b (Co	вW	Sn	Fe	Sb	N	Mg	Zn	Ве	Sb	As
M20-ArC-	10 / CD97627	0.06	1.54	0.008	0.008	0.40	0.02	0.03	< .01	1.37	0.34														

M	120-ArC-10 / CD97627	0.06	1.54	0.008	0.008	0.40	0.02	0.03	< .01	1.37	0.34											
	Diffusible Hydrogen Collected per AWS A4.3																					
	M20-ArC-10						4.2 ml/100g of weld metal for .045 in diameter 28% relative humidity															

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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.