



THE MOST RELIABLE WELDING®

HOFFMAN ARC CO., LTD

QUALITY CERTIFICATE OF WELDING CONSUMABLE

Type AWS E7018	Norm AWS A5.1/A5.1M2012	Brand Name SINNVOLL	Part # 6001801	Diameter 3/32" (2.4MM)	Lot No. 224379	Manufactured Date SHOWN ON PACKAGE	Date of Issue 2023 / 04 / 27		
Mechanical Properties of Deposited Metal				Chemical Composition of Deposited Metal (%)					
Item	Requirement	Actual Result	Element	Requirement	Actual Result	Element	Requirement	Actual Result	
Yield Strength Rel(MPa)	≥400	463	C	≤0.15	0.090	Mo	≤0.30	0.0084	
Tensile Strength Rm(MPa)	≥490	567	Si	≤0.75	0.35	V	≤0.08	0.0069	
Elongation A5 (%)	≥22	32.0	Mn	≤1.60	1.35	Mn+Ni+Cr +Mo+V	≤1.75	1.45	
Impact Test	Impact Temp (°C)	-30	-30	S	≤0.035	0.0074	Cu	--	--
	Impact Absorbed Energy (J)	≥27	138 130 125	P	≤0.035	0.011	--	--	--
X-Ray	I	I	Cr	≤0.20	0.039	--	--	--	
Hydrogen Content (ml/100g)	≤0.60	0.09	Ni	≤0.30	0.039	Fillet weld test of T-joint		Complies	
Approved Classification Grade	CCS (--)	LR (--)	GL (--)	NK (--)	ABS (--)	BV (--)	DNV (--)	KR (--)	RINA (--)
10050 NW 116TH Way, Suite 15. Medley, Florida 33178. Telf: 305-4205099				This is to certify that the welding consumable conform with the standard					
				Signature	Inspection seal				