



THE MOST RELIABLE WELDING®

HOFFMAN ARC CO., LTD

QUALITY CERTIFICATE OF WELDING CONSUMABLE

Type	Norm	Brand Name	Part #	Diameter	Lot No.	Manufactured Date	Date of Issue
AWS E7018	AWS A5.1/A5.1M ASME SFA-5.1/SFA-5.1M	SINNVOLL	6001803	5/32" (4.0mm)	25-12038	SHOWN ON PACKAGE	30 / 12 / 2025

Mechanical Properties of Deposited Metal	Chemical Composition of Deposited Metal [%]
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Item		Requirement	Actual Result	Element	Requirement	Actual Result	Element	Requirement	Actual Result
Yield Strength Rel(MPa)		≥400	478	C	≤0.15	0.072	Mo	≤0.30	0.0046
Tensile Strength Rm(MPa)		≥490	572	Si	≤0.75	0.54	V	≤0.08	0.008
Elongation A[%]		≥22	27.5	Mn	≤1.60	1.31	Cu	--	--
Impact Test	Impact Temp (°C)	-30	-30	S	≤0.035	0.014	Ti	--	--
	Impact Absorbed Energy (J)	≥27	93 73 98	P	≤0.035	0.015	Al	--	--
X-Ray		Required	Complies	Cr	≤0.20	0.052	--	--	--
Hydrogen Content (ml/100g)		--	--	Ni	≤0.30	0.001	Fillet weld test of T-joint		--
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

