



THE MOST RELIABLE WELDING®

HOFFMAN ARC CO., LTD

QUALITY CERTIFICATE OF WELDING CONSUMABLE

Type ER-70S6		Diameter 1/8" (2.4mm)		Part # 6107061		Net WT 4.5kg (10lb)		Lot No. 1834064		Date of Issue 2018 / 10 / 15	
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)		Min. 400	456	C	Max. 0.15	0.059	Mo	Max. 0.15	0.0010		
Tensile Strength Rm(MPa)		Min. 480	559	Si	Max. 1.15	0.083	V	Max. 0.03	0.0066		
Elongation A5 [%]		Min. 22	28	Mn	Max. 1.85	0.15	Cu	Max. 0.50	--		
Sharp V noch	Impact Temp [°C]	-30	-30	S	Max. 0.035	0.014	A1	--	--		
	Av. Absorbed Energy [J]	27	89 92 82	P	Max. 0.025	0.019	Ti	--	--		
X-Ray		--	--	Cr	Max. 0.15	0.026	--	--	--		
Hydrogen Content (ml/130g)		--	--	Ni	Max. 0.15	0.0023	--	--	--		
Approved Classification Grade		GCS (--)	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					