

CERTIFIED MATERIAL REPORT

CMR No. : 1611303700008

Date of Issue : 2016-11-30

Customer			
Trade Name	SM-70	Size	1.2mm*300kg
Lot No.	66613111	Purchaser's Order No.	-
Specification	AWS A5.18 ER70S-6 * According to EN 10204-2004 : 3.1 EN ISO 14341-A G 42 4 M21 3Si1		

Welding Current	DCEP	Shielding Gas	80%Ar+20%CO ₂	Post Weld Heat Treatment (°C × hr.)	AS WELDED			
Mechanical Properties	Tensile Test			Impact Test (CVN - Joule)				
	YS(MPa)	TS(MPa)	EL(%)	Temp.(°C)	X1	X2	X3	Avg.
	490	567	29.0	-40	62	71	65	66
AWS Spec.	≥ 400	≥ 480	≥ 22	-				

Chemical Composition (%)

	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V
(WIRE)	0.08	0.82	1.53	0.016	0.010	0.19	0.01	0.03	0.01	0.01
AWS Spec.	0.06 ~0.15	0.80 ~1.15	1.40 ~1.85	≤ 0.025	≤ 0.035	≤ 0.50	≤ 0.15	≤ 0.15	≤ 0.15	≤ 0.03

Others

We hereby certify that the material covered by this report has been inspected in accordance with and been found to meet the applicable requirements of specification and customer's requirements.

Approved by

K.W. Park

QA Manager Park K. W.



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