

CERTIFIED MATERIAL REPORT

CMR No. : 1609013700003

Date of Issue : 2016-09-01

Customer	M.BINDT TRADING		
Trade Name	SM-70 eco	Size	1.2mm*15kg
Lot No.	534028	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	ISO 14175 M21	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.
		428	538	28.0	-40	100	98	100	99
AWS Spec.		≥ 400	≥ 480	≥ 22	-				

Chemical Composition (%)

	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V	
(WIRE)	0.08	0.90	1.51	0.012	0.009	0.22	0.02	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

ORIGINAL

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.



HYUNDAI WELDING CO., LTD.

Head Office #507, Teheran-ro, Gangnam-gu, Seoul, Republic of Korea
Pohang Plant #100, Daesong-ro, Nam-gu, Pohang, Republic of Korea