

CERTIFIED MATERIAL REPORT

CMR No. : 1608303700008

Date of Issue : 2016-08-30

Customer	M.BINDT TRADING		
Trade Name	SC-70T Cored	Size	1.2mm*5kg
Lot No.	20003836AA6GG1	Purchaser's Order No.	-
Specification	AWS A5.36 E70T15-M21A2-CS1 EN ISO 17632-A T 46 2 M M 1		

* According to EN 10204-2004 : 3.1

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.
	480	566	26.0	-30	53	57	68	59
AWS Spec.	≥ 400	490~660	≥ 22	≥ 27				

Chemical Composition (%)

	C	Si	Mn	P	S	Ni	Cr	Mo	V	Cu	
(Weld Metal)	0.06	0.65	1.48	0.010	0.005	0.03	0.04	0.01	0.01	0.03	
AWS Spec.	≤ 0.12	≤ 0.90	≤ 1.75	≤ 0.030	≤ 0.030	≤ 0.50	≤ 0.20	≤ 0.30	≤ 0.08	≤ 0.35	

*Hydrogen Content (ml/100g) (AWS A4.3) : 4.78

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