

CERTIFIED MATERIAL REPORT

CMR No. : 1508133500018

Date of Issue : 2015-08-13

Customer	M.BINDT TRADING		
Trade Name	S-7018.1H	Size	3.2mm*350mm
Lot No.	52607	Purchaser's Order No.	-
Applicable Specification	AWS A5.1 E7018-1 * According to EN 10204-2004 : 3.1 Equivalent to EN ISO 2560-A E42 4 B 3 2 H5		

Welding Current	DCEP	Shielding Gas	-	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.
	459	555	29.6	-46	92	98	101	97
Spec.	≥ 400	≥ 490	≥ 22	-				

Chemical Composition (%)

	C	Si	Mn	P	S	Ni	Cr	Mo	V		
(Weld Metal)	0.05	0.32	1.19	0.015	0.006	0.24	0.04	0.01	0.01		
Spec.	≤ 0.15	≤ 0.75	≤ 1.60	≤ 0.035	≤ 0.035	≤ 0.30	≤ 0.20	≤ 0.30	≤ 0.08		

*Hydrogen Content(ml/100g) (AWS A4.3) : 3.70

Others

ORIGINAL

We hereby certifies 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