

CERTIFIED MATERIAL REPORT

CMR No. : 1507143500007

Date of Issue : 2015-07-14

Customer	HYUNDAI WELDING EUROPE OFFICE		
Trade Name	Supercored 70B	Size	1.2mm*15kg
Lot No.	20003892AA5GE1	Purchaser's Order No.	-
Applicable Specification	AWS A5.20 E71T-5M-J EN ISO 17632-A T 42 4 B M 3 * According to EN 10204-2004 : 3.1		

Welding Current	DCEN	Shielding Gas	80%Ar+20%CO		Post Weld Heat Treatment (× hr.)			AS WELDED	
Mechanical Properties		Tensile Test			Impact Test (CVN - Joule)				
		YS(MPa)	TS(MPa)	EL(%)	Temp. ()	X1	X2	X3	Avg.
		564	618	27.2	-40	103	95	115	104
Spec.		390	490 670	22	27				

Chemical Composition (%)

	C	Si	Mn	P	S	Ni	Cr	Mo	V	Cu	
(Weld Metal)	0.08	0.57	1.47	0.014	0.007	0.03	0.04	0.01	0.01	0.03	
Spec.	0.12	0.90	1.75	0.03	0.03	0.50	0.20	0.30	0.08	0.35	

Others

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

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