

CERTIFIED MATERIAL REPORT

CMR No. : 2405074300501

Date of Issue : 2024-05-07

Customer	SPECIALISED WELDING PRODUCTS LIMITE		
Trade Name	Supercored 71MAG	Size	1.2mm*15kg
Lot No.	MF23420F0	Purchaser's Order No.	44222/6009/10001833
Specification	AWS A5.20 E71T-9M		

Welding Current	DCEP	Shielding Gas	80%Ar+20%CO	Post Weld Heat Treatment (x hr.)	AS WELDED
-----------------	------	---------------	-------------	-----------------------------------	-----------

Mechanical Properties

Weld Metal	Tensile Test			Impact Test (CVN - Joule)				
	YS(MPa)	TS(MPa)	EL(%)	Temp.()	X1	X2	X3	Avg.
	524	582	27.0	-30	72	77	79	76
AWS Spec.	390	490 670	22	27				

Chemical Composition (%)

Weld Metal	C	Si	Mn	P	S	Ni	Cr	Mo	V	Cu	
	0.05	0.50	1.33	0.012	0.010	0.03	0.04	0.01	0.01	0.02	
AWS Spec.	0.12	0.90	1.75	0.03	0.03	0.50	0.20	0.30	0.08	0.35	

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



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