

CERTIFIED MATERIAL REPORT

CMR No. : 2401154300009

Date of Issue : 2024-01-15

Customer	SPECIALISED WELDING PRODUCTS LIMITE		
Trade Name	Supercored 71MAG	Size	1.2mm*15kg
Lot No.	MF23420G0	Purchaser's Order No.	
Specification	AWS A5.20 E71T-9M EN ISO 17632-A - T46 3 P M21 1		

Welding Current	DCEP	Shielding Gas	80%Ar+20%CO ₂	Post Weld Heat Treatment (°C × hr.)	AS WELDED
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Mechanical Properties * According to EN 10204-2004 : 3.1

Weld Metal	Tensile Test			Impact Test (CVN - Joule)				
	YS(MPa)	TS(MPa)	EL(%)	Temp.(°C)	X1	X2	X3	Avg.
	520	580	29.0	-30	73	77	81	77
AWS Spec.	≥ 390	490~670	≥ 22	≥ 27				

Chemical Composition (%) * According to EN 10204-2004 : 3.1

Weld Metal	C	Si	Mn	P	S	Ni	Cr	Mo	V	Cu
	0.05	0.49	1.36	0.012	0.010	0.03	0.05	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.



0035-CPR-C760
EN13479
0035 06 / HWC-311

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