

# CERTIFIED MATERIAL REPORT

CMR No. : 2401244300009

Date of Issue : 2024-01-24

Customer	SPECIALISED WELDING PRODUCTS LIMITE		
Trade Name	Supercored 81MAG	Size	1.2mm*15kg
Lot No.	20004078AB23KH3	Purchaser's Order No.	-
Specification	AWS A5.29 E81T1-Ni1M H4 EN ISO 17632-A - T50 6 1Ni P M21 2 H5		

Welding Current	DCEP	Shielding Gas	80%Ar+20%CO <sub>2</sub>	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.
	560	610	27.8	-60	87	89	87	88
AWS Spec.	≥ 470	550~690	≥ 19	-				

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

Weld Metal	C	Si	Mn	P	S	Ni	Cr	Mo	V		
	0.05	0.32	1.26	0.008	0.007	0.95	0.03	0.01	0.01		
AWS Spec.	≤ 0.12	≤ 0.80	≤ 1.50	≤ 0.030	≤ 0.030	0.80 ~1.10	≤ 0.15	≤ 0.35	≤ 0.05		

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-312

Approved by

K.W. Park

QA Manager Park K. W.



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