

# CERTIFIED MATERIAL REPORT

CMR No. : 2401174300008

Date of Issue : 2024-01-17

Customer	SPECIALISED WELDING PRODUCTS LIMITE		
Trade Name	Supercored 70NS	Size	1.2mm*15kg
Lot No.	MF23520J71	Purchaser's Order No.	-
Specification	AWS A5.18 E70C-6M AS/NZS ISO 17632-B - T49 3 T15 0 M21 A		

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.
	508	580	28.0	-30	53	56	66	58
AWS Spec.	≥ 400	≥ 480	≥ 22	≥ 27				

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

Weld Metal	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V
	0.04	0.55	1.54	0.016	0.004	0.01	0.02	0.02	0.01	0.02
AWS Spec.	≤ 0.12	≤ 0.90	≤ 1.75	≤ 0.03	≤ 0.03	≤ 0.50	≤ 0.50	≤ 0.20	≤ 0.30	≤ 0.08

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

*K.W. Park*

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