

CERTIFIED MATERIAL REPORT

CMR No. : 2512184200001

Date of Issue : 2025-12-18

Customer	Hyundai Welding GMBH		
Trade Name	SM-70EN eco	Size	1.0mm*15kg
Lot No.	5432869	Purchaser's Order No.	-
Specification	AWS A5.18 ER70S-6		

Welding Current	DCEP	Shielding Gas	ISO 14175 M21	Post Weld Heat Treatment (°C × hr.)	AS WELDED
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Mechanical Properties

Weld Metal	Tensile Test			Impact Test (CVN - Joule)				
	YS(MPa)	TS(MPa)	EL(%)	Temp.(°C)	X1	X2	X3	Avg.
	461	563	32.4	-40	127	125	129	127
AWS Spec.	≥ 400	≥ 490	≥ 22	-				

Chemical Composition (%)

WIRE	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V
	0.07	0.96	1.77	0.010	0.011	0.23	0.01	0.01	0.01	0.01
AWS Spec.	0.06 ~0.15	0.80 ~1.15	1.40 ~1.85	≤ 0.025	≤ 0.035	≤ 0.50	≤ 0.15	≤ 0.15	≤ 0.15	≤ 0.03

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

QA Manager Park K. W.



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