

ORIGINAL

CERTIFIED MATERIAL REPORT

CMR No. : 2003274000005

Date of Issue : 2020-03-27

Customer	Lascentrum Norge		
Trade Name	SM-70	Size	1.0mm*300kg
Lot No.	206613021	Purchaser's Order No.	-
Specification	AWS A5.18 ER70S-6 EN ISO 14341-A G 42 4 M21 3Si1		

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.
	543	614	27.0	-40	76	88	83	82
AWS Spec.	≥ 400	≥ 480	≥ 22	-				

Chemical Composition (%)

* According to EN 10204-2004 : 3.1

WIRE	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V	
	0.07	0.83	1.46	0.021	0.011	0.15	0.01	0.02	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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