

ORIGINAL

CERTIFIED MATERIAL REPORT

CMR No. : 2004064000001

Date of Issue : 2020-04-06

Customer	Lascentrum Norge		
Trade Name	S-7016.0	Size	2.6mm*350mm
Lot No.	204603	Purchaser's Order No.	-
Specification	AWS A5.1 E7016 Equivalent to EN ISO 2560-A E42 2 B 1 2		

Welding Current	AC	Shielding Gas	-	Post Weld Heat Treatment (°C × hr.)	AS WELDED
-----------------	----	---------------	---	-------------------------------------	-----------

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.
	479	582	27.6	-30	109	100	97	102
AWS Spec.	≥ 400	≥ 490	≥ 22	≥ 27				

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

Weld Metal	C	Si	Mn	P	S	Ni	Cr	Mo	V		
	0.08	0.27	1.10	0.011	0.003	0.02	0.04	0.01	0.01		
AWS Spec.	≤ 0.15	≤ 0.75	≤ 1.60	≤ 0.035	≤ 0.035	≤ 0.30	≤ 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

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