

ORIGINAL

CERTIFIED MATERIAL REPORT

CMR No. : 1908053800002

Date of Issue : 2019-08-05

Customer	Weldfast UK		
Trade Name	S-6013.LF	Size	3.2mm*350mm
Lot No.	956060	Purchaser's Order No.	-
Specification	AWS A5.1 E6013 * According to EN 10204-2004 : 3.1 EN ISO 2560-A E 38 0 R 1 2		

Welding Current	AC	Shielding Gas	-	Post Weld Heat Treatment (°C × hr.)	AS WELDED			
Mechanical Properties	Tensile Test			Impact Test (CVN - Joule)				
	YS(MPa)	TS(MPa)	EL(%)	Temp.(°C)	X1	X2	X3	Avg.
	458	528	26.5		-	-	-	-
AWS Spec.	≥ 330	≥ 430	≥ 17	-				

Chemical Composition (%)

	C	Si	Mn	P	S	Ni	Cr	Mo	V		
(Weld Metal)	0.07	0.31	0.38	0.020	0.010	0.04	0.03	0.01	0.01		
AWS Spec.	≤ 0.20	≤ 1.00	≤ 1.20	-	-	≤ 0.30	≤ 0.20	≤ 0.30	≤ 0.08		

Others

Tested with S-6013.LF 4.0mm to obtain the above results.

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
0035 12 / HWC-103
EN13479

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