

CERTIFIED MATERIAL REPORT

CMR No. : JD0911331321

Customer		FINLEX UK LTD.									
Trade Name		S-7018.G				Purchaser's Order No.		-			
Size		5.0 mm * 400 mm				Applicable Specification		AWS A5.1 E7018 According to EN10204 3.1 : 2004			
Lot No.		876030				Date of Issue		2008/04/09			
Welding Current	DCEP	Shielding Gas	-				Post Weld Heat Treatment (°C × hr.)		AS WELDED		
Mechanical Properties	Tensile Test					Impact Test (CVN - Joule)					
	YS (N/mm ²)	TS (N/mm ²)	EL (%)	Temp.(°C)	X1	X2	X3	Avg.			
	499	588	28.8	-30	86	75	99	87			
Spec.	≥400	≥482	≥22	≥27							
Chemical Composition (%) (DEPO.)	C	Si	Mn	P	S	Ni	Cr	Mo	V		
	0.07	0.42	1.29	0.019	0.009	0.04	0.04	0.01	0.02		
Spec.	≤0.15	≤0.75	≤1.60	≤0.035	≤0.035	≤0.30	≤0.20	≤0.30	≤0.08		
<p>Others</p> <p>Tested with S-7018.G 4.0mm to obtain the above results.</p> <p style="text-align: center;">* P/I NO. :HWC-15071 21.4 MT</p>											

We hereby certifies 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.

ORIGINAL

Approved by

S.H. Kim

QA Manager Kim, S. H



HYUNDAI WELDING CO., LTD.

Head Office 157-37, Samsung-dong, Gangnam-gu, Seoul, Republic of Korea
Pohang Plant 90-5, Jangheung-dong, Nam-gu, Pohang-si, Republic of Korea