CERTIFIED MATERIAL REPORT

CMR No. : NE2111331307								Date of Issue 2012/05/21						
Customer		FINLEX UK LTD.												
Trade Name			SW-309L Cored					Size			1.0 mm * 15 kg			
Lot No.		3	SW2926D					Purchaser's Order No.			-			
Applicable Specification			AWS A5.22 E309LT1-1/-4											
Welding Current	T DCEP			ielding Gas	80%Ar+ 20%CO ₂			Post Weld Heat T (°C × hr.					AS WELDED	
			Tensile Test						Impact Test (CVN - Joule)					
Mechanical Properties		YS (MPa)		(IPa)	TS (MPa)		EL (%) T	Temp.(℃)		X1	X2	Х3	Avg.
·			- .		547		43.6	6						
Spec.					≥520		≥30)		******				<u> </u>
Chemica	al Co	mposi	itio	n (%)				1				<u></u>		
		С		Si	Mn	Р	S	Cu		Ni	Cr	Мо		
(Weld Met	tal)	0.03	3	0.85	1.24	0.017	0.006	0.03	2	12.32	23.10	0.01		
S ₅	pec.	≤0.0)4	≤1.0	0.5 ~2.5	≤0.04	≤0.0≥	3 ≤().5	12.0 ~14.0	1	≤0.5		

Others

*P/I NO.:HWC-10811 5.9MT

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.

Approved by

Sang Hee, Lee

QA Manager Lee, S. H.

