CERTIFIED MATERIAL REPORT

CMR No. :	Date of Issue 2010/05/10													
Customer	FINLEX UK LTD.													
Trade Name		ST-72					Size			3.2 mm * 1000 mm * 5 kg				
Lot No.		92223951					Purchaser's Order No.			-				
Applicable Specification	AWS A5.18 ER70S-2					* According to EN10204 3.1 : 2004								
Welding Current DC	EN	Shielding Gas			Ar		Post Weld Heat (°C × h					AS WELDED		
		Tensile Test						Impact Test (CVN - Joule)						
Mechanical Properties	Y	'S (1	V/mm²)	TS (N/mm²)		EL (%)	Temp.(℃)		X1	X2	Х3	Avg.	
,		53	35	587		30.3	30.3		-30		200	200	191	
Spec.		≥400		≥482		≥22		≥27						
Chemical Composition (%)														
	С		Si	Mn	Р	S		Cu	Ni	Cr	Мо	V	Ti	
(WIRE)	0.0	4	0.50	1.16	0.017	0.004		0.20	0.01	0.01	0.01	0.01	0.07	
Spec	. ≤0.	.07	0.40 ~0.70	0.90 ~1.40	≤0.025	≤0.03	5	≤0.50	≤0.15	5 ≤0.15	≤0.15	≤0.03	0.05 ~0.15	
	Zr		AI											
(WIRE)	0.0	5	0.08								-			
Spec	1000	02 12	0.05 ~0.15											

Others

Tested with ST-72 2.4mm to obtain the above results. \star P/I NO.:HWC-10440

17.1MT

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.



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