

# CERTIFIED MATERIAL REPORT

CMR No. : 1406093500030

Date of Issue : 2014-06-09

Customer		M.BINDT TRADING							
Trade Name		SC-70ML			Size		1.2mm*15kg		
Lot No.		20003989AB4FG1			Purchaser's Order No.		-		
Applicable Specification		AWS A5.18 E70C-6M * According to EN 10204-2004 : 3.1 EN ISO 17632-A T 46 4 M M 2							
Welding Current	DCEP	Shielding Gas	80%Ar+20%CO <sub>2</sub>			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.
		478	544	24.8	-40	54	62	71	62
Spec.		≥400	≥482	≥22	-				

**Chemical Composition (%)**

	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V	
(Weld Metal)	0.03	0.56	1.43	0.010	0.020	0.02	0.34	0.03	0.01	0.01	
Spec.	≤0.12	≤0.90	≤1.75	≤0.03	≤0.03	≤0.50	≤0.50	≤0.20	≤0.30	≤0.08	

Others

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

*Sang Hee Lee*

QA Manager Lee, S. H.



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