

CERTIFIED MATERIAL REPORT

CMR No. : 1702203700010

Date of Issue : 2017-02-20

Customer	M.BINDT TRADING		
Trade Name	SC-70ML	Size	1.2mm*15kg
Lot No.	20003989AC7BG2	Purchaser's Order No.	-
Specification	AWS A5.36 E70T15-M21A4-CS1 * According to EN 10204-2004 : 3.1 EN ISO 17632-A T 46 4 M M21 2 H5		

Welding Current	DCEP	Shielding Gas	80%Ar+20%CO ₂	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.
	513	578	29.8	-40	71	88	77	79
AWS Spec.	≥400	490-660	≥22	≥27				

Chemical Composition (%)

	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V	
(Weld Metal)	0.04	0.58	1.49	0.006	0.020	0.04	0.43	0.04	0.01	0.01	
AWS Spec.	≤0.12	≤0.90	≤1.75	≤0.030	≤0.030	≤0.50	≤0.50	≤0.20	≤0.30	≤0.08	

*Hydrogen Content(m^l/100g) (AWS A4.3) : 3.78

Others

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.

Approved by

K.W. Park

QA Manager Park K. W.



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