

CERTIFIED MATERIAL REPORT

CMR No. : 1609283700023

Date of Issue : 2016-09-28

Customer		M.BINDT TRADING										
Trade Name		SC-70ML				Size		1.2mm*15kg				
Lot No.		20003989AC61G2				Purchaser's Order No.		-				
Specification		AWS A5.36 E70T15-M21A4-CS1 EN ISO 17632-A T 46 4 M M 2 H5				* According to EN 10204-2004 : 3.1						
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.			
		477	545	24.2	-40	82	80	85	82			
AWS Spec.		≥400	490~660	≥22	≥27							
Chemical Composition (%)												
(Weld Metal)		C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V	
		0.04	0.56	1.58	0.009	0.015	0.02	0.36	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(ml/100g) (AWS A4.3) : 3.72												
<p>Others</p> <div style="border: 2px solid blue; padding: 10px; display: inline-block; margin: 20px 0;">ORIGINAL</div>												
<p>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.</p> <p style="text-align: right;">Approved by</p> <p style="text-align: right; font-size: 1.2em;"><i>K.W. Park</i></p> <p style="text-align: right;">QA Manager Park K. W.</p>												



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