

# CERTIFIED MATERIAL REPORT

CMR No. : 1611283700035

Date of Issue : 2016-11-28

Customer	M.BINDT TRADING		
Trade Name	SC-71MJ	Size	1.2mm*15kg
Lot No.	20006682AA6EE3	Purchaser's Order No.	-
Specification	AWS A5.36 E71T1-M21A4-CS1 * According to EN 10204-2004 : 3.1 EN ISO 17632-A T 46 4 P M 1		

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.
	504	556	28.0	-40	98	107	84	96
AWS Spec.	≥ 400	490~660	≥ 22	≥ 27				

Chemical Composition (%)

(Weld Metal)	C	Si	Mn	P	S	Ni	Cr	Mo	V	Cu	
	0.05	0.27	1.01	0.010	0.003	0.46	0.03	0.01	0.02	0.02	
	AWS Spec.	≤ 0.12	≤ 0.90	≤ 1.75	≤ 0.030	≤ 0.030	≤ 0.50	≤ 0.20	≤ 0.30	≤ 0.08	≤ 0.35

\*Hydrogen Content(ml/100g) ( AWS A4.3 ) : 4.28

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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