

# CERTIFIED MATERIAL REPORT

CMR No. : 1510013500022

Date of Issue : 2015-10-01

Customer	M.BINDT TRADING		
Trade Name	SC-71MJ	Size	1.2mm*15kg
Lot No.	20006682AA5HE1	Purchaser's Order No.	-
Applicable Specification	AWS A5.20 E71T-9M-J * According to EN 10204-2004 : 3.1 Equivalent to 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.
	538	587	28.8	-40	75	82	99	85
Spec.	≥390	490~670	≥22	≥27				

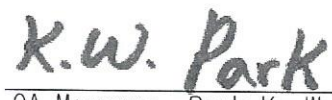
### Chemical Composition (%)

	C	Si	Mn	P	S	Ni	Cr	Mo	V	Cu
(Weld Metal)	0.05	0.31	1.12	0.010	0.004	0.46	0.03	0.01	0.02	0.02
Spec.	≤0.12	≤0.90	≤1.75	≤0.03	≤0.03	≤0.50	≤0.20	≤0.30	≤0.08	≤0.35

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.

Approved by



QA Manager Park K. W.



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