

# CERTIFIED MATERIAL REPORT

CMR No. : 1509023500010

Date of Issue : 2015-09-02

Customer	M.BINDT TRADING		
Trade Name	SC-71LHM Cored	Size	1.2mm*5kg
Lot No.	MF5220G0	Purchaser's Order No.	-
Applicable Specification	AWS A5.20 E71T-9M * According to EN 10204-2004 : 3.1 EN ISO 17632-A T 46 3 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.
		509	582	27.5	-30	53	55	62	57
Spec.	≥ 390	490~670	≥ 22	≥ 27					

Chemical Composition (%)

	C	Si	Mn	P	S	Ni	Cr	Mo	V	Cu	
(Weld Metal)	0.05	0.43	1.09	0.012	0.016	0.04	0.03	0.01	0.02	0.03	
Spec.	≤ 0.12	≤ 0.90	≤ 1.75	≤ 0.03	≤ 0.03	≤ 0.50	≤ 0.20	≤ 0.30	≤ 0.08	≤ 0.35	

Others

ORIGINAL

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

K.W. Park

QA Manager Park K. W.



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