

CERTIFIED MATERIAL REPORT

CMR No. : 1705053700005

Date of Issue : 2017-05-05

Customer	M.BINDT TRADING		
Trade Name	SM-70	Size	1.2mm*15kg
Lot No.	76603051	Purchaser's Order No.	-
Specification	AWS A5.18 ER70S-6 * According to EN 10204-2004 : 3.1 EN ISO 14341-A G 42 4 M21 3Si1		

Welding Current	DCEP	Shielding Gas	80%Ar+20%CO	Post Weld Heat Treatment (x hr.)	AS WELDED			
Mechanical Properties	Tensile Test			Impact Test (CVN - Joule)				
	YS(MPa)	TS(MPa)	EL(%)	Temp.()	X1	X2	X3	Avg.
	520	593	29.0	-40	95	93	84	91
AWS Spec.	400	480	22	-				

Chemical Composition (%)

	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V
(WIRE)	0.07	0.83	1.46	0.020	0.011	0.21	0.02	0.03	0.01	0.01
AWS Spec.	0.06 0.15	0.80 1.15	1.40 1.85	0.025	0.035	0.50	0.15	0.15	0.15	0.03

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

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