

CERTIFIED MATERIAL REPORT

CMR No. : 1612193700004

Date of Issue : 2016-12-19

Customer	M.BINDT TRADING		
Trade Name	SM-70 eco	Size	1.0mm*15kg
Lot No.	836696	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	ISO 14175 M21	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.
		429	538	29.0	-40	106	108	107	107
AWS Spec.		≥ 400	≥ 480	≥ 22	-				

Chemical Composition (%)

	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V	
(WIRE)	0.08	0.89	1.49	0.016	0.011	0.21	0.02	0.02	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

QA Manager Park K. W.



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