

# CERTIFIED MATERIAL REPORT

CMR No. : 1508113500006

Date of Issue : 2015-08-11

Customer	M.BINDOT TRADING		
Trade Name	SM-70EN eco	Size	1.2mm*15kg
Lot No.	5439069	Purchaser's Order No.	-
Applicable Specification	AWS A5.18 ER70S-6 * According to EN 10204-2004 : 3.1 EN ISO 14341-A G 46 4 M21 4Si1		

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.
		462	535	27.0	-40	88	86	85	86
Spec.	≥400	≥480	≥22	-					

Chemical Composition (%)

(WIRE) Spec.	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V	
	0.11	1.00	1.79	0.019	0.008	0.22	0.05	0.06	0.01	0.01	
	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

\* Q'ty : 2,160kg

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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