

CERTIFIED MATERIAL REPORT

CMR No. : 1605273700017

Date of Issue : 2016-05-27

Customer	M.Bindt Norway		
Trade Name	SM-70EN	Size	1.4mm*300kg
Lot No.	67513050	Purchaser's Order No.	-
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	80%Ar+20%CO ₂	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.
		556	638	26.0	-40	81	83	82	82
AWS Spec.	≥ 400	≥ 480	≥ 22	-					

Chemical Composition (%)

	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V
(WIRE)	0.08	0.92	1.73	0.015	0.015	0.16	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

Tested with SM-70EN 1.2mm to obtain the above results.

ORIGINAL

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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