

CERTIFIED MATERIAL REPORT

CMR No. : 1412113500001

Date of Issue : 2014-12-11

Customer	M.BINDT TRADING		
Trade Name	S-7016.0	Size	3.2mm*400mm
Lot No.	34604	Purchaser's Order No.	-
Applicable Specification	AWS A5.1 E7016 * According to EN 10204-2004 : 3.1 Equivalent to EN ISO 2560-A E42 2 B 1 2		

Welding Current	AC	Shielding Gas	-	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.
	489	567	29.4	-30	70	70	94	78
Spec.	≥400	≥490	≥22	≥27				

Chemical Composition (%)											
	C	Si	Mn	P	S	Ni	Cr	Mo	V		
	(Weld Metal)	0.08	0.35	1.06	0.013	0.006	0.04	0.05	0.01	0.01	
	Spec.	≤0.15	≤0.75	≤1.60	≤0.035	≤0.035	≤0.30	≤0.20	≤0.30	≤0.08	

Others
Tested with S-7016.0 4.0mm to obtain the above results.

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

Sang Hoo Lee

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