CERTIFIED MATERIAL REPORT

CMR No. : OG0411352353 Date of Issue 2013/07/04

Customer	M.BINDT TRADING		
Trade Name	S-7016.O	Size	2.6 mm * 350 mm
Lot No.	34604	Purchaser's Order No.	-
Applicable Specification	AWS A5.1 E7016 * According to EN10204 3.1 : 2004 Equivalent to EN ISO 2560-A E42 2 B 1 2		

Welding Current	AC	Shielding Gas	-	Post Weld Heat Treatment (℃ × hr.)	AS WELDED

Mechanical Properties	Tensile Test			Impact Test (CVN - Joule)				
	YS (MPa)	TS (MPa)	EL (%)	Temp.(℃)	X1	X2	X3	Avg.
	491	575	32.8	-30	105	112	98	105
Spec.	≥400	≥482	≥22	≥27				

Chemical Composition (%)

	C	Si	Mn	P	S	Ni	Cr	Mo	V		
(Weld Metal)	0.07	0.32	1.10	0.018	0.006	0.04	0.04	0.01	0.01		
Spec.	≤0.15	≤0.75	≤1.60	≤0.035	≤0.035	≤0.30	≤0.20	≤0.30	≤0.08		

Others

*CONTRACT NO.: 10917
20,119kg

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 Hee Lee

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