

CERTIFIED MATERIAL REPORT

CMR No. : OF2011352313

Date of Issue 2013/06/20

Customer	M.BINDT TRADING		
Trade Name	S-7016.O	Size	3.2 mm * 350 mm
Lot No.	34605	Purchaser's Order No.	-
Applicable Specification	AWS A5.1 E7016 Equivalent to EN ISO 2560-A E42 2 B 1 2		

Welding Current	AC	Shielding Gas	-	Post Weld Heat Treatment (°C × hr.)	AS WELDED
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Mechanical Properties	Tensile Test			Impact Test (CVN - Joule)				
	YS (MPa)	TS (MPa)	EL (%)	Temp.(°C)	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)	0.05	0.27	0.93	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.O 4.0mm to obtain the above results.

*CONTRACT NO.: 12157
19,752

* According to EN 10204-2004 : 3.1(Chemical), 2.2(Mechanical)

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.

ORIGINAL

Approved by

Sang Hee Lee

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