

CERTIFIED MATERIAL REPORT

CMR No. : 1601083500017

Date of Issue : 2016-01-08

Customer	M.BINDT TRADING		
Trade Name	S-312.16	Size	3.2mm*350mm
Lot No.	53310	Purchaser's Order No.	-
Specification	AWS A5.4 E312-16 Equivalent to EN ISO 3581-A E 29 9 R		

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.
	620	795	23.2		-	-	-	-
AWS Spec.	-	≥660	≥22	-				

Chemical Composition (%)

	C	Si	Mn	P	S	Cu	Ni	Cr	Mo		
(Weld Metal)	0.10	0.79	0.76	0.022	0.009	0.04	10.37	28.08	0.06		
AWS Spec.	≤0.15	≤1.00	0.5 ~2.5	≤0.04	≤0.03	≤0.75	8.0 ~10.5	28.0 ~32.0	≤0.75		

Others

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

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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