

CERTIFIED MATERIAL REPORT

CMR No. : 1411053500016

Date of Issue : 2014-11-05

Customer	M.BINDT TRADING		
Trade Name	S-312.16	Size	4.0mm*350mm
Lot No.	43305	Purchaser's Order No.	-
Applicable 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		-	-	-	-
Spec.	-	≥ 660	≥ 22	-				

Chemical Composition (%)

	C	Si	Mn	P	S	Cu	Ni	Cr	Mo		
(Weld Metal)	0.10	0.57	0.66	0.023	0.009	0.02	10.37	28.13	0.04		
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), 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.

Approved by

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