CERTIFIED MATERIAL REPORT

CMR No. : OD2511352323 Date of Issue 2013/04/25

Customer	M.BINDT TRADING		
Trade Name	S-6013.V	Size	3.2 mm * 350 mm
Lot No.	22609	Purchaser's Order No.	-
Applicable Specification	AWS A5.1 E6013 * According to EN10204 3.1 : 2004 Equivalent to EN ISO 2560-A E38 0 RC 1 1		

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.
	445	494	30.4					
Spec.	≥331	≥415	≥17					

Chemical Composition (%)

	C	Si	Mn	P	S	Ni	Cr	Mo	V		
(Weld Metal)	0.07	0.30	0.46	0.014	0.014	0.03	0.03	0.01	0.01		
Spec.	≤0.20	≤1.00	≤1.20	-	-	≤0.30	≤0.20	≤0.30	≤0.08		

Others

Tested with S-6013.V 4.0mm to obtain the above results.

*CONTRACT NO.: 10921
20,220KG

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

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