

# CERTIFIED MATERIAL REPORT

CMR No. : 1612233700040

Date of Issue : 2016-12-23

Customer	M.BINDT TRADING		
Trade Name	S-7024.F	Size	3.2mm*400mm
Lot No.	516040	Purchaser's Order No.	-
Specification	AWS A5.1 E7024                      * According to EN 10204-2004 : 3.1 Equivalent to EN ISO 2560-A    E42 0 RR 7 4		

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.
	516	598	22.6		-	-	-	-
AWS Spec.	≥400	≥490	≥17					

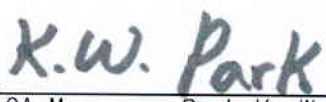
Chemical Composition (%)

	C	Si	Mn	P	S	Ni	Cr	Mo	V		
(Weld Metal)	0.08	0.54	0.77	0.020	0.013	0.04	0.04	0.01	0.03		
AWS Spec.	≤0.15	≤0.90	≤1.25	≤0.035	≤0.035	≤0.30	≤0.20	≤0.30	≤0.08		

Others  
 Tested with S-7024.F 4.0mm to obtain the above results.

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  
  
 QA Manager Park K. W.