



# INSPECTION CERTIFICATION

According to EN 10204 3.1

Client	SWP	Heat No.	0238	Date of Delivery	June 10, 2023
Products	<b>Super 6 SG2</b>	Test No.	830238	Date of Production	May, 2023
Order no.	42511	Size	1.0mm(7305)	Date of Test	May 28, 2023

### All-weld-metal/Chemical analysis(%)-CO2/MIXED GAS

C	Si	Mn	P	S	Cr	Ni	Mo	V	Al	Ti+Zr	Cu
0.09	0.88	1.57	0.012	0.012	0.006	0.003	0.004	0.003	0.002	0.03	0.22

### Welding conditions

Current type	DC+	Arc voltage(V)	22-26	Inter pass temp.	150
Current(A)	220-260	Shielding Gas	EN ISO 14175-C1,M20,M21		

### All-weld-metal mechanical properties

Tensile test									
Test no.	Heat treatment	Tensile strength(MPa)			Yield Strength(MPa)			Elongation(%)	
830238	-	547			456			28	
Impact test									
Test no.	Notch type	Test temperature	Shielding Gas	Impact value(J)					Average
				1	2	3	4	5	
830238	V	-40	M21	92	88	91	92	90	90.6
830238	V	-40	C1	85	84	83	81	82	83.00
Radiography			Bending test(Butt Weld)			Hydrogen Test			
II			OK			2.78			



Standard no.: AWS A5.18 ER70S-6  
 EN ISO 14341-A-G 42 4C1/M21 3Si1  
 DIN 8559 SG2

0036  
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DOP Ref.: Super 6 SG2 2017-001  
 EN13479:2017

Approvals: TÜV SÜD

CPR Certificate no.: 0036-CPR-S 128.2020.001

We hereby certify that the product described above "complies with the term of the order" and conforms with the related international standards"

Inspecting Department : QC Department

Inspector : **Jeremy Packer**

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