



# INSPECTION CERTIFICATION

According to EN 10204 3.1

Client	SWP	Heat No.	3911	Date of Delivery	May 21, 2024
Products	<b>SUPER 6SG2</b>	Test No.	833911	Date of Production	May,2024
Order no.	44278	Size	1.0mm(7308)	Date of Test	May 15, 2024

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

C	Si	Mn	P	S	Cr	Ni	Mo	V	Al	Ti+Zr	Cu
0.09	0.89	1.57	0.012	0.011	0.006	0.005	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(%)	
839311	-	547			457			28	
Impact test									
Test no.	Notch type	Test temperature	Shielding Gas	Impact value(J)					Average
				1	2	3	4	5	
839311	V	-40	M21	98	96	95	97	98	96.80
839311	V	-40	C1	84	85	85	83	84	84.20
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



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DOP Ref.:Super 6 SG2 2020-003  
 EN13479:2017

Approvals: TÜV SÜD  
 CPR Certificate no.:0036-CPR-S 128.2020.003

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 : **Gary Waterman**

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