



# INSPECTION CERTIFICATION

According to EN 10204 3.1

Client	SWP	Heat No.	5242	Date of Delivery	Sep., 22, 2025
Products	<b>SUPER 6SG2</b>	Test No.	835242	Date of Production	Sep., 2025
Order no.	46410	Size	1.0mm(7308)	Date of Test	Sep., 15, 2025

## 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	1.58	0.012	0.011	0.008	0.007	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(%)
835242	-	548	457	28

### Impact test

Test no.	Notch type	Test temperature	Shielding Gas	Impact value(J)					Average
				1	2	3	4	5	
835242	V	-40	M21	98	96	97	98	97	97.20
835242	V	-40	C1	86	85	84	86	84	85.00

### Radiography

### Bending test(Butt Weld)

### Hydrogen Test

II	OK	2.78
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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 2024-001

EN13479:2017

Approvals: TÜV SÜD

CPR Certificate no.:0036-CPR-S 128.2020.004

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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