

TECHNICAL DATA SHEET



Super6 2209 MIG

AWS A5.9 : ER 2209
EN ISO 14343 A: G 22 9 3 L
Date- 20.05.24 Revision 1

DESCRIPTION

Austenitic - ferritic duplex stainless steel filler metal characterised by high tensile strength, resistance to stress corrosion cracking and improved resistance to pitting. Its PREM is at least 35. The grade is used for welding, joining and overlay of stainless steels of a similar composition.

Applications include petro-chemical, off shore, pipe and where stress corrosion resistance far higher than that by austenitic stainless steels in chloride environments and temperatures between 50°C and 300°C.

WELDING POSITIONS

PA, PB, PC, PF, PE, PF2

CHEMICAL COMPOSITIONS

C	Mn	Si	Cr	Ni
0.03 MAX	0.50 2.00	0.90 max	21.50 23.50	7.50 9.50

MECHANICAL PROPERTIES

Yield Strength	≥ 450
UTS N/mm ²	≥ 550
Elongation	≥ 20%

AVAILABLE FORMATS

SPOOL		
Diameter	15kg	
0.8mm		
1.0mm	7818	
1.2mm	7819	

Shielding Gas	Ar/He/Co ₂
Current Type	Pulsed

While all reasonable efforts have been made to ensure the accuracy of this information, it may change at any time and is only intended as general guidance.

TECHNICAL DATA SHEET



Super6 2209 TIG

AWS A5.9 : ER 2209
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WELDING POSITIONS

PA, PB, PC, PF, PE, PF2

CHEMICAL COMPOSITIONS

C	Mn	Si	Cr	Ni
0.03 MAX	0.50 2.00	0.90 max	21.50 23.50	7.50 9.50

MECHANICAL PROPERTIES

Yield Strength	≥ 450
UTS N/mm ²	≥ 550
Elongation	≥ 20%

AVAILABLE FORMATS

TUBE		
Diameter	5.0kg	
1.6mm	7821	
2.4mm	7820	
3.2mm	7822	

Shielding Gas	Argon
Current Type	DC-

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