

# TECHNICAL DATA SHEET



## Super6 316LSi MIG

AWS A 5.9 : ER 316LSi  
EN ISO 14343-A G 19 12 3 LSi  
Date 20.05.24 Revision 1

### DESCRIPTION

ER 316LSi is an extra low carbon 19Cr-12Ni-3Mo stainless steel wire. Suitable for welding or surfacing of similar base materials. The weld metal has excellent creep strength up to 850°C. Ferrite levels are controlled between 5-10%, offering excellent crack resistance and mechanical properties. The increased silicon levels improves weldability and helps produce outstanding bead appearance.

### WELDING POSITIONS

PA, PB, PC, PF, PF2

### CHEMICAL COMPOSITIONS

C	Mn	Si	Cr	Ni
0.03 MAX	1.50 2.50	0.65 1.00	18.00 20.00	11.00 14.00

### MECHANICAL PROPERTIES

Yield Strength	> 350
UTS N/mm <sup>2</sup>	> 520
Elongation A5 %	> 30

### AVAILABLE FORMATS

SPOOL				
Diameter	0.7kg	5.0kg	15kg	
0.6mm		7201	7204	
0.8mm	7198	7202	7205	
1.0mm	7199	7203	7206	
1.2mm	7200		7207	

Shielding Gas	Argon 2% O <sub>2</sub>
Current Type	DC +

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 316L TIG

AWS A 5.9 : ER 316L  
EN ISO 14343-A W 19 12 3 L  
Date 20.05.24 Revision 1

### DESCRIPTION

ER 316L is an extra low carbon 19Cr-12Ni-3Mo stainless steel wire. Suitable for welding or surfacing of similar base materials. The weld metal has excellent creep strength up to 850°C. Ferrite levels are controlled between 4-8%, offering excellent crack resistance and mechanical properties. The increased silicon levels improves weldability and helps produce outstanding bead appearance.

### WELDING POSITIONS

PA, PB, PC, PG, PE, PF, PF2, PG2

### CHEMICAL COMPOSITIONS

C	Mn	Si	Cr	Ni
0.03 MAX	1.50 2.20	0.30 0.65	18.00 20.00	11.00 14.00

### MECHANICAL PROPERTIES

Yield Strength	> 350
UTS N/mm <sup>2</sup>	> 520
Elongation A5 %	> 30

### AVAILABLE FORMATS

TUBE				
Diameter	5.0KG			
1.0mm	7222			
1.2mm	7223			
1.6mm	7224			
2.4mm	7225			
3.2mm	7226			

Shielding Gas	Argon
Current Type	DC -

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