Weldability Sif

PRODUCT INFORMATION

SIFMIG 316LSI

EN ISO 14343: 19 12 3 LSi,
BS: 2901 316 S93
AWS A5.9: ER 316LSi

DESCRIPTION

A molybdenum bearing, stainless steel with low carbon content. It is corrosion resistant for welding molybdenum bearing austenitic stainless steels.

WELDING POSITIONS

SIFMIG 316LSi is our solid wire for MAG welding low carbon 17Cr12Ni3Mo austenitic acid resistant stainless steel grades like AISI 316, 316L.

TYPICAL WELD METAL COMPOSITION

C	0.02 %
Si	0.8 %
Mn	1.5 %
Ni	12 %
Cr	19 %
Mo	2 %

TYPICAL MECHANICAL PROPERTIES

Melting Point	1440°C
Ult Tensile Strength	650 N/mm²
Hardness	180

MATERIAL TO BE WELDED

Universal in applications but typical for all industries where superior corrosion resistance is required: textile industry, paper mills, chemical industry, cellulose industry etc., resistance to general and intergranular corrosion (up to 400°C), good resistance to hot cracking. Base materials to be welded: ASTM/AISI Gr. 316, 316L,316LN, 316Cb, 316Ti. WNr 1.4583, 1.4435, 1.4436, 1.4404, 1.4401, 1.4571, 1.4580, 1.4406*, 1.4429* *without postweld quenching CrNiMo 17 12 3 and similar stainless grades.

AVAILABLE FORMATS

SPOOLED WIRE (MIG / GMAW)			
Dia	0.7kg	3.75kg	12.5/15kg
0.6mm	WO210607	WO210640	WO210612
0.8mm	WO210807	WO210840	WO210815
1.0mm	WO211007	WO211040	WO211015
1.2mm	WO211207	WO211240	WO211215

Current :	DC = +
Shielding Gas :	M13, ArCO2

For further information, contact Weldability | Sif technical support on **0870 330 7757** or email **service@wholeweld.co.uk**