OK Tigrod 316LSi

GTAW
ER316LSi

Description

Bare, corrosion-resistant, chromium-nickel-molybdenum rods for welding austenitic stainless alloys of the 18% Cr-8% Ni and 18% Cr-10% Ni-3% Mo types.
OK Tigrod 316LSi has good general corrosion resistance, particularly to corrosion in acid and chlorinated environments. The alloy has a low carbon content which makes it particularly recommended when there is a risk of intergranular corrosion. The higher silicon content improves the welding properties such as wetting. The alloy is widely used in the chemical and food-processing industries, as well as in shipbuilding and various types of architectural structure.

Welding current

DC(-)

Classifications

SFA/AWS A5.9	ER316LSi
EN 12072	W 19 12 3 LSi
Werkstoffnummer	~1.4430

Wire composition

C	Si	Mn	Cr	Ni	Mo	Cu
<0.03	0.8	1.8	19.0	12.5	2.8	<0.3

Typical mech. properties all weld metal

Yield stress, MPa	480
Tensile strength, MPa	630
Elongation, %	33

Charpy V

Test temps, °C	Impact values, J
+20	140
-60	110
-196	70

Approvals

CL	
DB	43.039.06
DNV	316L
UDT	DIN 8556
VdTÜV	
Ü	43.039/1

Packing data

Diameter, mm	Length, mm	Weight of rods/ box, kg
1.0	1000	5.0
1.2	1000	5.0
1.6	1000	5.0
2.0	1000	5.0
2.4	1000	5.0
3.2	1000	5.0
4.0	1000	5.0