

# LKT-316LSi

## LKM-316LSi



LINKWELD ALLOYS INC.

AWS A5.9 ER316L  
JIS Z3321 Y316LSi

### Characteristics:

It is modified 316L austenitic stainless steel to higher silicon content to improve welding properties such as higher welding speed. With excellent creep strength and resistance to pitting corrosion.

### Applications:

Typical applications include welding of 18%Cr-12%Ni-2%Mo stainless steel in chemical, oil and gas refineries.

### Notes on Usage:

1. For TIG process, use DC(-) current, Argo Shield and Tungsten Electrode.
2. For MIG process, use Spray Transfer or Short Circuit Transfer mode.
3. 98%Argon – 2%O<sub>2</sub> shielding gas is recommended in MIG process.

### Typical chemical composition of weld metal (wt%)

C	Cr	Ni	Mo	Mn	Si
0.024	18.60	12.20	2.40	1.50	0.65

### Typical mechanical properties of weld metal

TS N/mm <sup>2</sup>	EL %
580	39

### Sizes available

MIG Solid Wire(mm)	0.8	0.9	1.0	1.2
TIG Rods(mm)	1.6	2.0	2.4	3.2