

# LKT-309LSi

## LKM-309LSi



LINKWELD ALLOYS INC.

AWS

A5.9 ER309LSi

### Characteristics:

It is modified 309L austenitic stainless steel to higher silicon content to improve welding properties such as higher welding speed.

### Applications:

It is used for oil and gas refineries, include welding of 22%Cr-12%Ni stainless steel, AISI 304L,316L in chemical and welding of dissimilar base metals of stainless and carbon steels.

### 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	Mn	Si
0.024	23.90	13.50	2.35	0.39

### Typical mechanical properties of weld metal

TS N/mm <sup>2</sup>	EL %
600	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