

Product Data Sheet



BRAND NAME VJ ER316L

AWS/ASME Class ER316L

SPECIFICATION SFA A5.9

Features and Applications :

VJ ER316L is a solid wire for MIG and TIG welding, available in a bright finish, ensuring smooth flow, a stable arc, and spatter-free performance. The weld metal resists intergranular corrosion, even at elevated temperatures. Ideal for welding stainless steels of similar composition and overlay applications requiring heat and corrosion resistance.

CHEMICAL COMPOSITION :

All Weld Metal (%)			
TYPICAL	Max	TYPICAL	Max
C	0.02	Mn	1.80
Cr	19.00	Si	0.35
Ni	12.5	S	0.010
Mo	2.50	P	0.010
Cu	0.75		

MECHANICAL PROPERTIES OF WELD METAL

All Weld Metal - As Welded	
Properties	Typical
UTS (MPa)	550
El (%)	35

DIMENSIONS:

Dimension (mm)	
GMAW	GTAW
0.80	1.6
1.20	2.0
1.60	2.4
	3.2

GMAW CURRENT : DC (+)	SHIELDING GAS: ARGON
GTAW CURRENT : DCEN	SHIELDING GAS: ARGON

PACKING :

GTAW : 5 kg wire put in a plastic container. Identification AWS code is punched on side of wire.

GMAW :The wire can be supplied in plastic spool packed in a cardboard box weighing 15.0 kg.

WELDING POSITION:

