

Product Data Sheet



BRAND NAME VJ ER347

AWS/ASME Class ER347L

SPECIFICATION SFA A5.9

Features and Applications :

VJ ER347 is a solid wire for MIG and TIG welding, designed for Cr-Ni stabilized stainless steels such as AISI 347 and 321. The addition of niobium (Nb) minimizes the risk of intergranular chromium carbide precipitation, enhancing resistance to intergranular corrosion and ensuring high-temperature strength. Ideal for demanding applications requiring durability and corrosion resistance.

CHEMICAL COMPOSITION :

All Weld Metal (%)			
TYPICAL	Max	TYPICAL	Max
C	0.04	Mn	1.30
Cr	20.00	Si	0.40
Ni	9.5	S	0.015
Mo	0.30	P	0.025
Cu	0.10		

MECHANICAL PROPERTIES OF WELD METAL

All Weld Metal - As Welded	
Properties	Typical
UTS (MPa)	580
El (%)	34

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:

