

Product Data Sheet



BRAND NAME VJ ER430

AWS/ASME Class ER430

SPECIFICATION SFA A5.9

Features and Applications :

VJ ER430 is a ferritic stainless steel welding wire offering excellent ductility in heat-treated conditions. It is ideal for welding similar alloys, overlays, and thermal spraying applications. Perfectly suited for surfacing valves, impellers, turbine blades, and other high-performance components.

CHEMICAL COMPOSITION :

All Weld Metal (%)			
TYPICAL	Max	TYPICAL	Max
C	0.10	Mn	0.44
Cr	16.00	Si	0.35
Ni	0.25	S	0.015
Mo	0.10	P	0.015
Cu	0.75		

MECHANICAL PROPERTIES OF WELD METAL

All Weld Metal - PWHT 780°C - 2 HR	
Properties	Typical
UTS (MPa)	480
El (%)	22

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:

