

Product Data Sheet



BRAND NAME VJ ER2553

AWS/ASME Class ER2553

SPECIFICATION SFA A5.9

Features and Applications :

VJ ER2553 is a super duplex alloy with an austenite-ferrite matrix, providing exceptional corrosion resistance, especially against sulfuric acid, stress corrosion cracking, and chloride pitting. Its superior strength and durability make it ideal for oil, petrochemical, and offshore industries.

CHEMICAL COMPOSITION :

All Weld Metal (%)			
TYPICAL	Max	TYPICAL	Max
C	0.04	Mn	1.50
Cr	23.50	Si	1.00
Ni	5.50	S	0.030
Mo	3.10	P	0.030
Cu	1.80	N	0.15

MECHANICAL PROPERTIES OF WELD METAL

All Weld Metal - As weld	
Properties	Typical
UTS (MPa)	780
El (%)	17

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 an air-tight polythene bag and finally packed 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:

