

ROYAL – ER316L (ER 316L)

AWS- SFA A 5.9 ER 316L

Applications

It is used for welding of AISI 316 , ASME 316L type of plate sheet, pipes tubes used in fabricating equipments for chemical, pharmaceutical, Dairy & fertilizer, Industries, Oil Refineries, Specially used for root run .

Characteristics on Usage

This wire rods with low carbon content confirms to AWS – SFA 5.9 ER 316L class. The weld metal is very good resistant to inter granular corrosion free from porosity & moltan pool.The weld metal is of controlled ferrite & with stand working temp up to 300°C Scale resistant up to 800°C.

Chemical Composition Of Weld Metal

C%	Mn%	Si%	S%	P%	Cr %	Ni %	Mo
0.030Max	1.00 – 2.50	0.30 – 0.65	0.03 Max	0.03 Max	18.0 – 20.0	11.0– 14.0	2.0-

Mechanical Properties Of Weld Metal

U.T.S. (N/mm ²)	ELONGATION (L = 4d) %	Identification Mark
490	30 % Min	Tip colour Blue

Packing

Each Packets content 5 kg of Wire Rods having length 500 mm.,1000 mm.