



FW 430

CODIFICATION: AWS : SFA 5.9 ER430

CHARACTERISTICS AND APPLICATIONS:

FW 430 is a solid wire for TIG process available in bright finish, gives smooth flow, stable arc and spatter free under optimum welding conditions. It gives radiographic quality weld deposit. Weld metal possesses excellent resistance to corrosion, abrasion, and impact. It is designed for joining of similar alloys and for surfacing and overlay application on unalloyed steels. Ideally suited for surfacing of valves impellers, turbine, blades etc.

TYPICAL CHEMICAL COMPOSITION OF SOLID WIRE:

Element	C	Mn	Si	S	P	Cr
%	0.06	0.5	0.40	0.015	0.018	16.5

TYPICAL MECHANICAL PROPERTIES OF ALL WELD METAL:

(PWHT : 780°C for 2 Hrs.)

UTS (MPa)	Elongation (L = 4d) %
490	24.0

SHIELDING GAS: Argon

CURRENT CONDITIONS: DCEN

WELDING POSITIONS: H, F, VU, OH

PACKING:

STANDARD SIZE: Diameter 1.6 mm, 2.0 mm, 2.4 mm & 3.15 mm in cut lengths of 1000 mm each.

QUANTITY 5 kgs wire put in an air-tight polythene bag and finally packed in a plastic container.
Identification – AWS code is punched on each wire.