

PRODUCT DATA SHEET

TIG WIRE - PROWELD - 310/ (1.4845)

Classification: AWS / ASME – A/ SFA 5.9 ER 310
BS EN 14343: 2009 – G25 20

Typical Applications:

Proweld 310 is primarily used for welding high temperature austenitic stainless steel of type AISI 310S.

The material offers good scaling resistance in air i.e. up to 1150°C

Corrosion resistance:

This material used for high temperature application. The corrosion resistance at wet condition is moderate.

Packaging Detail:

Wire Composition: (%)

	C	Mn	Si	Cr	Ni	S	P	Mo
min	0.08	1.0	0.30	25	20	-	-	
max	0.15	2.5	0.65	27	22	0.02	0.03	0.75

Diameter : 0.80,1.00,1.20,1.60, 2.0, 2.40, 3.20, 4.0 mm*

Length : 1000 mm (36")

Packing : 5 Kgs in Spiral Tubes/Plastic, then in a Master Carton of 25 Kg(5x5)**

Also available in AWS standard diameters

Mechanical properties (Typical as Weld):

Tensile Strength	590N/mm ²
Yield Strength	380 N/mm ²
Elongation A5	35%
Impact energy(20° C)	150J
Hardness	180 BHN

Marking:

Both ends embossed with grade and diameter for the diameter >=1.60mm

Welding Parameters

The information will be provided on request.

Shielding Gas:

I1 Pure Argon 5-10 L/min

M13 Argon+1-3% O₂, 5-10 L/min