

INERTFIL 310

MIG-MAG Wires Stainless and Heat resistant steels

Inertfil 310 is a stainless steel solid wire conforming to the ER310 classification with 25% Cr and 20% Ni. Suitable for welding steels having the same chemical compositions or for dissimilar steel welding. The weld deposit is fully austenitic. Excellent high temperature corrosion resistance.

Classification	
AWS	A5.9: ER 310
EN	12072: G 25 20

Approvals	Grades

Analysis of all-weld metal (Typical values in %)

C	Mn	Si	P	S	Cr	Ni	Mo	Nb	Cu	N	Ferrite
0.12	1.80	0.60	≤ 0.030	≤ 0.020	26	21	-	-	-	-	-

All-weld metal Mechanical Properties

Heat Treatment	Yield Strength N/mm ²	Tensile Strength N/mm ²	Elongation A5 (%)	Impact Energy ISO - V (J) 20°C	Hardness
As Welded	≥ 350	≥ 550	≥ 30	≥ 47	-

Gas test: Acc. To EN 439: M13(Cargal1)

Shielding Gas: Acc. To EN 439: M13(Cargal1)

Materials

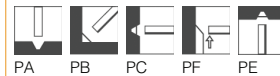
AISI 310; 1.4845 (X8CrNi25-21); 1.4841 (X15CrNiSi25-21); 1.4828 (X15CrNiSi20-12)

Storage

Keep dry and avoid condensation

Current condition and welding position

DC+



Packaging data: BS300 Kg. 15

Diameters	0,8	1,0	1,2			