



CEWELD 310L

TYPE High heat resistant stainless steel welding wire for Tig welding.(Type 25 /20)

APPLICATIONS Common applications include heavily oxidizing media such as pipes in preheaters, coolers and condensers in the chemical industry.

PROPERTIES 310L has very good resistance to intergranular corrosion, pitting and stress corrosion cracking due to its high chromium and nickel contents.

CLASSIFICATION AWS A 5.9: ~ER 310
W.Nr. ~1.4842

SUITABLE FOR **ISO 15608: 8.1 Austenitic ≤ 19 % Cr , TÜV 1000: Gr. 21-30, Type: 25% Cr, 22%Ni**
1.4710, 1.4713, 1.4724, 1.4726, 1.4742, 1.4745, 1.4762, 1.4823, 1.4826, 1.4828, 1.4832, 1.4835, 1.4837, 1.4840, 1.4841, 1.4845, 1.4846, 1.4848, 1.4849, 253MA, X15CrNiSi 25 20, G-X40CrNiSi 25 12, G-X15CrNi 25 20, X8CrNi25-21
AISI 305, 310, 314 ASTM A297 HF / A297HJ

APPROVALS CE

WELDING POSITIONS



TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

| C | Si | Mn | P | S | Cr | Ni |
|------|-----|-----|------|------|----|----|
| 0.02 | 0.2 | 1.6 | 0.01 | 0.01 | 25 | 21 |

MECHANICAL PROPERTIES

| Heat Treatment | R _{P0,2} (MPa) | R _m (MPa) | A ₅ (%) | Hardness |
|----------------|-------------------------|----------------------|--------------------|----------|
| As Welded | 400 | 600 | 35 | HRc |

REDRYING Not required

GAS ACC. EN ISO 14175 M21