

GFC 410NiMo

FLUX CORED WIRE

IDENTIFICATION

GFC 410NiMo, E410NiMo-1/4

CLASSIFICATION

AWS A5.22: E410NiMo-1/4

DESCRIPTION

Fluxcored wire to match deposits weld metal having about 13 Cr - 4 Ni - Mo Martensitic Stainless Steel. High resistance to corrosion fatigue cracking.

WELD METAL ANALYSIS (RANGE) %

| C | Si | Mn | Cr | Mo | Ni | S | P |
|----------|---------|---------|-------------|---------|-----------|----------|----------|
| 0.06 max | 1.0 max | 1.0 max | 11.0 - 12.5 | 0.7 max | 4.0 - 5.0 | 0.03 max | 0.04 max |

MECHANICAL PROPERTIES (RANGE)

| Heat Treatment | UTS (MPa) | EL (%) (L=4D) |
|----------------|-----------|---------------|
| 600°C / 8 h | 760 min | 15 min |

TYPICAL APPLICATIONS

- For joining and surfacing applications.
- Hydro turbines, valve bodies, pump castings, piping etc. in power generation, offshore, chemical and petrochemical industries.

MICRO STRUCTURE : Martensite

SHIELDING GAS : 80% Ar + 20% Co2

PACKING PARAMETERS

| Size (mm) | Weight / Spool (kg) |
|-----------|---------------------|
| 1.2 | 12.5 |