



CEWELD SG Mo Tig

TYPE Medium alloyed, high-strength 9% Chromium Alloy.

APPLICATIONS Low Alloyed copper-coated solid wire with 9% Cr and 1% Mo to be used for welding creep resistant steel. It finds applications in power plants, chemical or petro-chemical industry and in the ammonia synthesis process. It is also used for heat exchangers, boilers, piping and pressure vessels for temperature service up to 600 °C.

PROPRIÉTÉS Corrosion resistance is higher than 5Cr-0.5Mo steels requirements. To be used with shielding gas Ar+O₂.

CLASSIFICATION W.Nr. 6

CONVIENT POUR **Typ 0,5Mo ≤ 460 MPa, ISO 15608: 1.2, 1.3**
 1.5415, 1.0481, 1.0482
15 Mo3, 16Mo3, 20MnMoNi4-5, 15NiCuMoNb5, S235JR-S355JR, S235JO-S355JO, S450JO, S235J2-S355J2, S275N-S460N, S275M-S460M, P235GH-P355GH, P355N, P285NH-P460NH, P195TR1-P265TR1, P195TR2-P265TR2, P195GH-P265GH, L245NB-L415NB, L450QB, L245MB-L450MB, GE200-GE300
 ASTM: A 29 Gr. 1013, 1016; A 106 Gr. C; A, B; A 182 Gr. F1; A 234 Gr. WP1; A 283 Gr. B, C, D; A 335 Gr. P1; A 501 Gr. B; A 533 Gr. B, C; A 510 Gr. 1013; A 512 Gr. 1021, 1026; A 513 Gr. 1021, 1026; A 516 Gr. 70; A 633 Gr. C; A 678 Gr. B; A 709 Gr. 36, 50; A 711 Gr. 1013;
 API 5 L B, X42, X52, X60, X65

AGRÉMENTS CE



TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

| | C | Si | Mn | Cr | Mo |
|--|------|------|-----|-----|-----|
| | 0.08 | 0.45 | 0.5 | 8.8 | 0.9 |

PROPRIÉTÉS MÉCANIQUES

| Heat Treatment | R _{P0,2} (MPa) | R _m (MPa) | A ₅ (%) | Impact Energy (J) ISO-V | | Hardness |
|-----------------|-------------------------|----------------------|--------------------|-------------------------|--|----------|
| | | | | RT | | |
| 730°C- 760°C 1h | 500 | 600 | 23 | 60 | | HRc |

ETUVAGE Not required

GAS ACC. EN ISO 14175 I1



CEWELD SG Mo Tig

SG MO TIG 1,6 X 1000MM

| Packaging | KG/unit | EanCode |
|-----------|---------|---------------|
| Tube | 5 | 8720663416797 |

SG MO TIG 2,0 X 1000MM

| Packaging | KG/unit | EanCode |
|-----------|---------|---------------|
| Tube | 5 | 8720663416810 |

SG MO TIG 2,4 X 1000MM

| Packaging | KG/unit | EanCode |
|-----------|---------|---------------|
| Tube | 5 | 8720663416834 |