# CEWELD Alloy C-276 Tig

certilas® THE FILLER METAL SPECIALIST

**TYPE**

Nickel based Tig filler metal for welding similar NiCrMo alloys.

**TOEPASSINGEN**

CEWELD Alloy C276 is used for welding materials of similar composition. This low carbon nickel-chromium-molybdenum filler metal can also be used for dissimilar welding between nickel base alloys and stainless steels, as well as for surfacing and cladding on low alloyed steels.

**EIGENSCHAPPEN**

Due to high molybdenum content this alloy offers excellent resistance too stress & corrosion cracking, pitting and crevice corrosion. High mechanical properties with excellent weldability.

**CLASSIFICATIE**

| | |
|---|---|
| AWS | A 5.14: ERNiCrMo-4 |
| EN ISO | 18274: S Ni 6276 (NiCr15Mo16Fe6W4) |
| W.Nr. | 2.4887 |
| F-nr | 43 |
| FM | 6 |

**GESCHIKT VOOR**

**Alloy 276, Ni 6276 (NiCr15Mo16Fe6W4). 2.4886, 2.4887**
**M.No:** 1.5680, 1.5682, 2.4819, 2.4883
NiMo16Cr15W, X12Ni5 / 12Ni19, X8Ni9, G-NiMo16Cr
Alloy C4, Hastelloy C276, A494CW-12MW, A743 / A744CW-12M

**GOEDKEURINGEN**

**LASPOSITIES**


**TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)**

| C | Si | Mn | P | S | Cr | Ni | Mo | V | Fe | W | Co | Cu |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.01 | 0.07 | 0.4 | 0.02 | 0.01 | 15.5 | 60 | 16 | 0.2 | 5 | 3.5 | 1 | 0.2 |

**MECHANISCHE WAARDEN**

| Heat Treatment | $R_{P0,2}$ (MPa) | Rm (MPa) | A5 (%) | Impact Energy (J) ISO-V | Hardness |
|---|---|---|---|---|---|
| | | | | RT | |
| As Welded | 470 | 740 | 32 | 100 | HRc |

**HERDROGEN**

Not required

**GAS ACC. EN ISO 14175**

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# CEWELD Alloy C-276 Tig

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| | Packaging | KG/unit | EanCode |
|---|---|---|---|
| ALLOY C-276 TIG 1,2 X1000MM | Tube | 5 | 8720663419934 |
| ALLOY C-276 TIG 1,6 X 914MM | Tube | 4,54 | 8720663420008 |
| ALLOY C-276 TIG 1,6 X1000MM | Tube | 5 | 8720663419996 |
| ALLOY C-276 TIG 2,0 X 1000MM | Tube | 5 | 8720663420015 |
| ALLOY C-276 TIG 2,0 X 914MM | Tube | 4,54 | 8720663420022 |
| ALLOY C-276 TIG 2,4 X 1000MM | Tube | 5 | 8720663420039 |
| ALLOY C-276 TIG 2,4 X 914MM | Tube | 4,54 | 8720663420046 |
| ALLOY C-276 TIG 3,2 X 1000MM | Tube | 5 | 8720663420053 |
| ALLOY C-276 TIG 3,2 X 914MM | Tube | 4,54 | 8720663420060 |