

# CEWELD SA Alloy C-276

**TYPE** Solid wire for nickel-chromium-molybdenum alloys

**TOEPASSINGEN** CEWELD SA Alloy C-276 is used for welding low carbon nickel-chromium-molybdenum alloys, especially UNS N10276, for welding the clad side in steel clad with low carbon nickel-chromium-molybdenum alloy, and for welding low carbon nickel-chromium-molybdenum alloys to steel and other nickel-base alloys.

**EIGENSCHAPPEN** High Nickel-Chromium alloy with very good mechanical properties down to -196°C. This wire can be welded with our fused flux FL 880 or agglomerated flux FL 838 or FL 839.

**CLASSIFICATIE**

|        |                                    |
|--------|------------------------------------|
| AWS    | A 5.14: ERNiCrMo-4                 |
| EN ISO | 18274: S Ni 6276 (NiCr15Mo16Fe6W4) |
| W.Nr.  | 2.4886                             |
| F-nr   | 45                                 |
| 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 (%)**

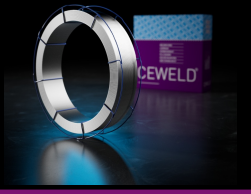
| C    | Si   | Mn  | Cr   | Ni | Mo | V   | Fe | W | Co |
|------|------|-----|------|----|----|-----|----|---|----|
| 0.01 | 0.07 | 0.9 | 15.5 | 62 | 16 | 0.2 | 6  | 4 | 2  |

**MECHANISCHE WAARDEN**

| Heat Treatment | R <sub>P0.2</sub> (MPa) | R <sub>m</sub> (MPa) | A <sub>5</sub> (%) | Impact Energy (J) ISO-V |  | Hardness |
|----------------|-------------------------|----------------------|--------------------|-------------------------|--|----------|
|                |                         |                      |                    | RT                      |  |          |
| As Welded      | 410                     | 710                  | 35                 | 80                      |  | HRc      |

**HERDROGEN** Not required

**GAS ACC. EN ISO 14175**



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SA ALLOY C-276 2,4MM

| Packaging | KG/unit | EanCode       |
|-----------|---------|---------------|
| K-415     | 25      | 8720663420169 |