



CEWELD E CrMo5

TYPE Medium and high alloyed basic electrodes for welding creep resistant steels

APPLICATIONS Construction and maintenance of power stations, oil (crack plant) and chemical plants. Pressure vessels, heat exchangers etc.

PROPERTIES Cr and Mo-alloyed basic electrode for welding creep resistant steels and steel casting for working temperatures up to 600°C. The weld metal is resistant to high hydrogen pressure.

CLASSIFICATION

| | |
|--------|-------------------------|
| AWS | A 5.5: E 8015-B6 |
| EN ISO | 3580-A: E CrMo5 B 42 H5 |
| F-nr | 4 |
| FM | 4 |

SUITABLE FOR 12crmo19.5, GS-12crmo19.5, 1.7362, 1.7363, 1.7373

APPROVALS CE

WELDING POSITIONS



TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)

| C | Si | Mn | Cr | Ni | Mo |
|------|-----|-----|----|------|-----|
| 0.07 | 0.4 | 0.7 | 5 | 0.05 | 0.5 |

MECHANICAL PROPERTIES

| Heat Treatment | R _{p0,2} (MPa) | R _m (MPa) | A ₅ (%) | Impact Energy (J) ISO-V | | Hardness |
|-----------------|-------------------------|----------------------|--------------------|-------------------------|-----|----------|
| | | | | RT | 0°C | |
| 725°C- 755°C 2h | 520 | 630 | 22 | 100 | 60 | HRc |

REDRYING 350°C / 2 hr

GAS ACC. EN ISO 14175



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E CRM05 2,5 X 350MM

| Packaging | KG/unit | EanCode |
|-----------|---------|---------------|
| Can | 2,6 | 8720663400581 |

E CRM05 3,2 X 350MM

| Packaging | KG/unit | EanCode |
|-----------|---------|---------------|
| Can | 2,5 | 8720663400598 |

E CRM05 4,0 X 450MM

| Packaging | KG/unit | EanCode |
|-----------|---------|---------------|
| Can | 3,3 | 8720663400604 |

E CRM05 5,0 X 450MM

| Packaging | KG/unit | EanCode |
|-----------|---------|---------------|
| Can | 3,3 | 8720663400611 |