



## ENAR NiCrCoMo-1 MIG / TIG Welding Wires

### Classifications:

ISO 18274: NiCr22Co12Mo9/Ni 6617  
W.Nr.: 2.4663

AWS A5.14/ASME A5.14: ERNiCrCoMo-1

### Typical Chemistry Composition of Weld Deposit:

| C     | Si    | Mn    | Cr            | Ni        | Mo           | Fe    | Cu    |
|-------|-------|-------|---------------|-----------|--------------|-------|-------|
| <0.15 | <1.00 | <1.00 | 20.00 – 24.00 | Remainder | 8.00 – 10.00 | <3.00 | <0.50 |

### Description:

- ENAR NiCrCoMo-1 is a nickel-chrome-cobalt-molybdenum alloy of type alloy 617.
- It has an excellent resistance to high temperature corrosion such as oxidation and carburization.
- It is used for welding of nickel-chrome-cobalt-molybdenum alloys, as well as between themselves and dissimilar metals such as stainless, carbon or low alloy steels.
- It is also used for overlay welding where similar chemical composition is desired.

### Typical Mechanical Properties:

| Yield Strength<br>(Mpa) | Tensile Strength<br>(Mpa) | Elongation<br>(%) |
|-------------------------|---------------------------|-------------------|
| 510                     | 770                       | 37                |

### Packing Available:

**TIG Wire** (Ø in mm): 1.60 / 2.40 / 3.20 / 4.00

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#### Enar Weld Braze Pvt. Ltd.

A-112, DDA Sheds Okhla Industrial Area,  
Phase-II, NEW DELHI – 110 020

e-mail: [info@enarweld.com](mailto:info@enarweld.com) web: [www.enarweld.com](http://www.enarweld.com)

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