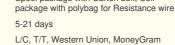


Bas

# Nickel Alloy Nichrome Cr20Ni80/Cr15Ni60/Cr10Ni90/Cr20Ni35 NiCr Electric **Heating Alloy Wire**

for more products please visit us on victory-alloy.com

| Basic Information                      |                                     |
|--|-------------------------------------|
| <ul> <li>Place of Origin:</li> </ul>   | China                               |
| <ul> <li>Brand Name:</li> </ul>        | Victory                             |
| Certification:                         | CE                                  |
| Model Number:                          | Cr20Ni80                            |
| Minimum Order Quantity:                | 5                                   |
| <ul> <li>Packaging Details:</li> </ul> | Spool package with Carton box. Coil |



• Payment Terms: 300 tons per month

77%

1.09+/-0.05

637MPA

Hard / Soft Bright, Oxided, Acide

7-20 Days

Resistance Wire

Nicr8020 nickel chrome heating wire, nickel chrome heating wire Cr20ni80 Cr20Ni80 nickel chrome wire heating

≥20%

Nickel, Chromium

Heating, Resistivity



# **Product Specification**

Material:

Delivery Time:

• Supply Ability:

- Nickel(Min):
- Resistivity:
- Tensile Strength:
- Elongtation:
- Application:
- Condition:
- Sureface:
- Delivery Time:
- Name:
- Highlight:



VK.

### More Images



## **Product Description**

#### Stable Resistance Nichrome Nicr8020 Nickel Chrome Heating Wire Cr20ni80

The versatile Cr20Ni80 soldering nichrome coil heating wire is a highly durable and efficient option for a variety of industries. This wire is commonly used in metallurgical machinery, medical care, chemical manufacturing, ceramics, electronics, and electrical appliances. It is also a popular choice for industrial heating equipment and civil heaters. In addition to its widespread use, this wire is made from a nickel steel alloy that provides excellent

resistance to corrosion and high temperatures. This combination of durability and heat resistance makes it ideal for use in harsh environments where other materials may fail.

The Cr20Ni80 soldering nichrome coil heating wire is available in various forms, including cutting foam resistance cable, electric strip yarn, and heat-resistant cable. Its versatility and adaptability make it an essential component in many different applications. Whether you're looking for a reliable heating solution for your industrial machinery or a durable heating element for your home, this wire is an excellent choice.

Size dimension range: Wire: 0.01-10mm Ribbons: 0.05\*0.2-2.0\*6.0mm Strip: 0.05\*5.0-5.0\*250mm NiCr series: Cr20Ni80, Cr30Ni70, Cr15Ni60, Cr20Ni35, Cr20Ni30

| Performance mate                                      | erial          | Cr10Ni90  | Cr20Ni80    | Cr30Ni70        | Cr15Ni60    | Cr20Ni35         |
|---|----------------|-----------|-------------|-----------------|-------------|------------------|
|   | Ni             | 90        | Rest        | Rest            | 55.0 61.0   | 34.0 37.0        |
| Composición   | Cr             | 10        | 20.0 23.0   | 28.0 31.0       | 15.0 18.0   | 18.0 21.0        |
|   | Fe             |           | ≤1.0        | ≤1.0            | Rest        | Rest             |
| Temperatura máx                                       | tima° <b>C</b> | 1300      | 1200        | 1250            | 1150        | 1100             |
| Punto de fusion °                                     | С              | 1400      | 1400        | 1380            | 1390        | 1390             |
| Densidad g/cm3  |                | 8.7       | 8.4         | 8.1             | 8.2         | 7.9              |
| Resistividad µΩ·m,20°C                                |                | 0.76±0.05 | 1.09±0.05   | 1.18±0.05       | 1.12±0.05   | 1.00±0.05        |
| Alargamiento a la                                     | ruptura        | ≥20       | ≥20         | ≥20             | ≥20         | ≥20              |
| Calor especifico J/g.°C                               |                |           | 0.44        | 0.461           | 0.494       | 0.5              |
| Conductividad té                                      | rmica KJ/m.h°C |           | 60.3        | 45.2            | 45.2        | 43.8             |
| Coeficiente de expansión de líneas a×10-6/(20 1000°C) |                |           | 18          | 17              | 17          | 19               |
| Estructura microg                                     | gráfica        |           | Austenite   | Austenite       | Austenite   | Austenite        |
| Propiedades mag                                       | néticas        |           | Nonmagnetic | Nonmagneti<br>c | Nonmagnetic | Weak<br>magnetic |
|   |                |           |             |                 |             |                  |



| Shape  | Size(mm)              |
|--------|-----------------------|
| Wire   | 0.05-7.5              |
| Rod    | 8-50                  |
| Ribbon | (0.05-0.35)*(0.5-6.0) |
| Strip  | (0.5-2.5)*(5-40)      |



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