Nichrome wire mesh offers high electric resistance finding its use in the industrial applications such as ovens, furnaces, toasters and other heating elements. It offers maximum service temperature below 1250°C and works best in hair dryers, toasters and kilns.

Nichrome Mesh Heater Characteristics:

1. Corrosion, Rotting and Oxidation resistance
2. High temperature ratings. Nichrome has melting point about 1150°C.
3. High Electric resistance- with the production of more heat, resistance value increases. The electric resistance property mainly depends on volume, diameter and wire length. Thinner wire offers larger electric resistance than thicker wire.
4. Thermal expansion: Expansion occurs diameter and length wise at the high temperatures.

Nichrome Wire Mesh Heater Applications

1. Ovens
2. Cooking apparatus
3. Electric heaters
4. Iron mills
5. Steel mills
6. Spark Igniter
7. Glass units
8. Cement boilers and kilns
9. Water Heaters
10. Floor Heating
11. Gas Igniter for furnaces