

## Material - ASTM B 472 N06600

### Standard Specification for Nickel Bar

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 472 N06600 Nickel Bar

Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries

Grade Belongs to the Industry - Bar

| Chemical Composition |      |                 | Heat Treatment                       |          |
|----------------------|------|-----------------|--------------------------------------|----------|
| Carbon               | C %  | 0.150 max.      | As-Cast or Annealing or Age Hardning |          |
| Silicon              | Si % | 0.500 max.      |                                      |          |
| Manganese            | Mn % | 1.000 max.      |                                      |          |
| Copper               | Cu % | 0.500 max.      |                                      |          |
| Sulphur              | S %  | 0.015 max.      |                                      |          |
| Chromium             | Cr % | 14.000 - 17.000 |                                      |          |
| Iron                 | Fe % | 6.000 - 10.000  |                                      |          |
| Nickel               | Ni % | 72.000 min.     |                                      |          |
| -                    | -    | -               | Mechanical Properties                |          |
| -                    | -    | -               | Tensile Strength in Mpa              | 550 min. |
| -                    | -    | -               | Yield Strength in Mpa                | 240 min. |
| -                    | -    | -               | Elongation in %                      | 2 min.   |
| -                    | -    | -               | Reduction of Area in %               | -        |
| -                    | -    | -               | Hardness in HRC                      | 30 - 98  |
| -                    | -    | -               | Impact in Joule                      | -        |

| Cross Reference Table |          |               |                              |
|-----------------------|----------|---------------|------------------------------|
| Material              | Standard | Country       | Grade Belong to the Industry |
| B 163 N06600          | ASTM     | USA           | Tube                         |
| B 166 N06600          | ASTM     | USA           | Rod, Bar and Wire            |
| B 167 N06600          | ASTM     | USA           | Pipe and Tube                |
| SB-163 N06600         | ASME     | USA           | Tube                         |
| B 168 N06600          | ASTM     | USA           | Plate, Sheet and Strip       |
| NiCr15Fe8             | ISO      | International | Plate, Sheet and Strip       |
| NW6600                | JIS      | Japan         | Plate, Sheet and Strip       |

**For any further inquiries, please do not hesitate to contact us. You may visit our website at [AMTECH TECHNOCAST PVT. LTD.](http://AMTECH TECHNOCAST PVT. LTD.), call us at [+91 9879817994](tel:+919879817994), or email us at [manish@amtechtechnocast.com](mailto:manish@amtechtechnocast.com)**

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