

## Material - ASTM B 622 N06255

### Standard Specification for Seamless Nickel and Nickel-Cobalt Alloy Pipe and Tube

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 622 N06255 Seamless Nickel and Nickel-Cobalt Alloy Pipe and Tube

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

Grade Belongs to the Industry - Pipe and Tube

| Chemical Composition |      |                 | Heat Treatment                       |          |
|----------------------|------|-----------------|--------------------------------------|----------|
| Carbon               | C %  | 0.030 max.      | As-Cast or Annealing or Age Hardning |          |
| Silicon              | Si % | 1.000 max.      |                                      |          |
| Manganese            | Mn % | 1.000 max.      |                                      |          |
| Chromium             | Cr % | 23.000 - 26.000 |                                      |          |
| Sulphur              | S %  | 0.030 max.      |                                      |          |
| Molybdenum           | Mo % | 6.000 - 9.000   |                                      |          |
| Phosphorus           | P %  | 0.030 max.      |                                      |          |
| Copper               | Cu % | 1.200 max       |                                      |          |
| Titanium             | Ti % | 0.690 max.      | Mechanical Properties                |          |
| Tungsten             | W %  | 3.000 max.      | Tensile Strength in Mpa              | 586 min. |
| Nickel               | Ni % | 47.000 - 52.000 | Yield Strength in Mpa                | 221 min. |
| Iron                 | Fe % | Balance         | Elongation in %                      | 40 min.  |
| -                    | -    | -               | Reduction of Area in %               | -        |
| -                    | -    | -               | Hardness in BHN                      | -        |
| -                    | -    | -               | Impact in Joule                      | -        |

| Cross Reference Table |          |         |                              |
|-----------------------|----------|---------|------------------------------|
| Material              | Standard | Country | Grade Belong to the Industry |
| N06255                | UNS      | USA     | Pipe and Tube                |
| SB-622 N06255         | ASME     | USA     | Pipe and Tube                |
| -                     | -        | -       | -                            |
| -                     | -        | -       | -                            |
| -                     | -        | -       | -                            |
| -                     | -        | -       | -                            |
| -                     | -        | -       | -                            |

**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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