



Material - ASTM B 472 N08926

Standard Specification for Nickel Alloy Billets and Bars for Reforging

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 472 N08926 Nickel Alloy Billets and Bars for Reforging

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

Grade Belongs to the Industry - Billet and Bar

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|-----------------|---|--|
| Carbon | C % | 0.020 max. | As-Cast or Annealing or Age Hardning | |
| Silicon | Si % | 0.500 max. | | |
| Manganese | Mn % | 2.000 max. | | |
| Chromium | Cr % | 19.000 - 21.000 | | |
| Sulphur | S % | 0.010 max. | | |
| Molybdenum | Mo % | 6.000 - 7.000 | | |
| Phosphorus | P % | 0.030 max. | | |
| Copper | Cu % | 0.500 - 1.500 | | |
| Nitrogen | N % | 0.150 - 0.250 | | |
| Nickel | Ni % | 24.000 - 26.000 | | |
| Iron | Fe % | Balance | Mechanical Properties Tensile Strength in Mpa 650 min. Yield Strength in Mpa 295 min. Elongation in % 35 min. Reduction of Area in % - Hardness in BHN - Impact in Joule - | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |

| Cross Reference Table | | | |
|-----------------------|----------|---------|--|
| Material | Standard | Country | Grade Belong to the Industry |
| B 649 N08926 | ASTM | USA | Bar and Wire |
| A 182 F1925N | ASTM | USA | Pipe Flanges, Forged Fittings and Valves |
| B 625 N08926 | ASTM | USA | Plate, Sheet and Strip |
| B 673 N08926 | ASTM | USA | Pipe |
| B 674 N08926 | ASTM | USA | Tube |
| B 677 N08926 | ASTM | USA | Pipe and Tube |
| SB-625 N08926 | ASME | USA | Plate, Sheet and Strip |

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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