



Material - ASTM B 462 N10276

Standard Specification for Forged or Rolled Alloy Pipe Flanges, Forged Fittings, and Valves and Parts for Corrosive High-Temperature Service

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 462 N10276 Forged or Rolled Alloy Pipe Flanges, Forged Fittings, and Valves and Parts for Corrosive High-Temperature Service

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

Grade Belongs to the Industry - Pipe Flanges, Forged Fittings, and Valve

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|-----------------|--------------------------------------|----------|
| Carbon | C % | 0.010 max. | As-Cast or Annealing or Age Hardning | |
| Silicon | Si % | 0.080 max. | | |
| Manganese | Mn % | 1.000 max. | | |
| Cobalt | Co % | 2.500 max. | | |
| Sulphur | S % | 0.030 max. | | |
| Chromium | Cr % | 14.500 - 16.500 | | |
| Phosphorus | P % | 0.040 max. | | |
| Molybdenum | Mo % | 15.000 - 17.000 | | |
| Tungsten | W % | 3.000 - 4.500 | | |
| Vanadium | V % | 0.350 max. | | |
| Iron | Fe % | 4.000 - 7.000 | | |
| Nickel | Ni % | Balance | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| | | | Mechanical Properties | |
| | | | Tensile Strength in Mpa | 690 min. |
| | | | Yield Strength in Mpa | 283 min. |
| | | | 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 |
| B 564 N10276 | ASTM | USA | Forging |
| B 574 N10276 | ASTM | USA | Rod |
| B 575 N10276 | ASTM | USA | Plate, Sheet and Strip |
| B 619 N10276 | ASTM | USA | Pipe |
| B 622 N10276 | ASTM | USA | Pipe and Tube |
| B 626 N10276 | ASTM | USA | Tube |
| N10276 | UNS | USA | Casting |

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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