

Material: ASTM B 462 N06030

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 N06030 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 % | 0.030 max. | As-Cast or Annealing or Age Hardening | |
| Silicon | Si % | 0.800 max. | | |
| Manganese | Mn % | 1.500 max. | | |
| Chromium | Cr % | 28.000 - 31.500 | | |
| Sulphur | S % | 0.020 max. | | |
| Molybdenum | Mo % | 4.000 - 6.000 | | |
| Phosphorus | P % | 0.040 max. | | |
| Cobalt | Co % | 5.000 max. | | |
| | | | Mechanical Properties | |
| Copper | Cu % | 1.000 - 2.400 | Tensile Strength in Mpa | 586 min. |
| Tungsten | W % | 1.500 - 4.000 | Yield Strength in Mpa | 241 min. |
| Nb + Ta | Nb% + Ta% | 0.300 - 1.500 | Elongation in % | 30 min. |
| Iron | Fe % | 13.000 - 17.000 | Reduction of Area in % | - |
| Nickel | Ni % | Balance | Hardness in BHN | - |
| - | - | - | Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|---------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| B 581 N06030 | ASTM | USA | Rod |
| B 582 N06030 | ASTM | USA | Plate, Sheet and Strip |
| B 619 N06030 | ASTM | USA | Pipe |
| B 622 N06030 | ASTM | USA | Pipe and Tube |
| B 626 N06030 | ASTM | USA | Tube |
| B 472 N06030 | ASTM | USA | Billets and Bars |
| SB-581 N06030 | ASME | USA | Rod |

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com