



Material - DIN 2.4618

Standard Specification for Nickel Base Alloy Plate, Sheet, Strip, Wire, Tube, Rod and Bars

Group - Non-Ferrous Nickel Alloys

Sub Group - DIN 2.4618 Nickel Base Alloy Plate, Sheet, Strip, Wire, Tube, Rod and Bars

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

Grade Belongs to the Industry - Plate, Sheet, Strip, Wire, Tube, Rod and Bars

| Chemical Composition | | | Heat Treatment | |
|----------------------|-----------|-----------------|--------------------------------------|----------|
| Carbon | C % | 0.050 max. | As-Cast or Annealing or Age Hardning | |
| Silicon | Si % | 1.000 max. | | |
| Manganese | Mn % | 1.000 - 2.000 | | |
| Chromium | Cr % | 21.000 - 23.500 | | |
| Molybdenum | Mo % | 5.500 - 7.500 | | |
| Cobalt | Co % | 2.500 max. | | |
| Copper | Cu % | 1.500 - 2.500 | | |
| Iron | Fe % | 18.000 - 21.000 | | |
| Phosphorus | P % | 0.025 max. | | |
| Sulphur | S % | 0.015 max. | | |
| Ni + Co | Ni% + Co% | 1.750 - 2.500 | Mechanical Properties | |
| Tungsten | W % | 1.000 max. | Tensile Strength in Mpa | 585 min. |
| Nickel | Ni % | Balance | Yield Strength in Mpa | 205 min. |
| - | - | - | Elongation in % | 30 min. |
| - | - | - | Reduction of Area in % | - |
| - | - | - | Hardness in HB | 240 max. |
| - | - | - | Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|---------|---|
| Material | Standard | Country | Grade Belong to the Industry |
| NiCr22Mo6Cu | DIN | Germany | Plate, Sheet, Strip, Wire, Tube, Rod and Bars |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |

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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