



Material - DIN 2.4606

Standard Specification for Nickel and Nickel Alloy Casting

Group - Non-Ferrous Nickel Alloys

Sub Group - DIN 2.4606 Nickel and Nickel Alloy Casting

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

Grade Belongs to the Industry - Casting

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|-----------------|--------------------------------------|----------|
| Carbon | C % | 0.010 max. | As-Cast or Annealing or Age Hardning | |
| Silicon | Si % | 0.080 max. | | |
| Manganese | Mn % | 0.750 max. | | |
| Chromium | Cr % | 19.000 - 23.000 | | |
| Cobalt | Co % | 1.000 max. | | |
| Aluminium | Al % | 0.500 max. | | |
| Molybdenum | Mo % | 15.000 - 17.000 | | |
| Iron | Fe % | 2.000 max. | | |
| Phosphorus | P % | 0.025 max. | | |
| Sulphur | S % | 0.015 max. | | |
| Titanium | Ti % | 0.020 - 0.250 | Mechanical Properties | |
| Vanadium | V % | 0.200 max. | Tensile Strength in Mpa | 690 min. |
| Tungsten | W % | 3.000 - 4.400 | Yield Strength in Mpa | 310 min. |
| Nickel | Ni % | Balance | Elongation in % | 40 min. |
| - | - | - | Reduction of Area in % | - |
| | | | Hardness in BHN | 240 max. |
| | | | Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|---------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| 2.4606 | DIN | Germany | Casting |
| - | - | - | - |
| - | - | - | - |
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Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.