

## Material: DIN G-Ni95

### Standard Specification for Nickel and Nickel-Copper Alloy Casting

**Group:** Non-Ferrous Nickel Alloys

**Sub Group:** DIN G-Ni95 Nickel and Nickel-Copper Alloy Casting

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

**Grade Belongs to the Industry:** Casting

| Chemical Composition |           |             |
|----------------------|-----------|-------------|
| Carbon               | C %       | 1.000 max.  |
| Silicon              | Si %      | 2.000 max.  |
| Manganese            | Mn %      | 1.500 max.  |
| Copper               | Cu %      | 1.200 max.  |
| Iron                 | Fe %      | 1.000 max.  |
| Other                | Ot%       | 0.200 max.  |
| Ni + Co              | Ni% + Co% | 95.000 min. |
| -                    | -         | -           |
| -                    | -         | -           |
| -                    | -         | -           |
| -                    | -         | -           |
| -                    | -         | -           |
| -                    | -         | -           |
| -                    | -         | -           |
| -                    | -         | -           |

| Heat Treatment                       |
|--------------------------------------|
| As-Cast or Annealing or Age Hardning |

| Mechanical Properties   |          |
|-------------------------|----------|
| Tensile Strength in Mpa | 320 min. |
| Yield Strength in Mpa   | 120 min. |
| Elongation in %         | 12 min.  |
| Reduction of Area in %  | -        |
| Hardness in HRB         | 80 min.  |
| Impact in Joule         | -        |

| Cross Reference Table |          |         |                              |
|-----------------------|----------|---------|------------------------------|
| Material              | Standard | Country | Grade Belong to the Industry |
| 2.417                 | DIN      | Germany | Casting                      |
| -                     | -        | -       | -                            |
| -                     | -        | -       | -                            |
| -                     | -        | -       | -                            |
| -                     | -        | -       | -                            |
| -                     | -        | -       | -                            |
| -                     | -        | -       | -                            |

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