



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 2782 Grade 1

Standard Specification for Nickel and Nickel Alloy Castings

Group - Non-Ferrous Nickel Alloys

Sub Group - IS 2782 Grade 1 Nickel and Nickel Alloy Castings

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

Grade Belongs to the Industry - Casting

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|-------------|--------------------------------------|---|
| Carbon | C % | 0.030 max. | As-Cast or Annealing or Age Hardning | |
| Sulphur | S % | 0.005 max. | | |
| Iron | Fe % | 0.030 max. | | |
| Copper | Cu % | 0.030 max. | | |
| Antimony | Sb % | 0.001 max. | | |
| Bismuth | Bi % | 0.001 max. | | |
| Lead | Pb % | 0.003 max. | | |
| Nickel | Ni % | 99.600 min. | | |
| - | - | - | | |
| | | | Mechanical Properties | |
| - | - | - | Tensile Strength in Mpa | - |
| - | - | - | Yield Strength in Mpa | - |
| - | - | - | Elongation in % | - |
| - | - | - | Reduction of Area in % | - |
| - | - | - | Hardness in BHN | - |
| - | - | - | Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|---------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |

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.

ONE STOP SOLUTION FOR METAL PARTS