



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - UNS N07722

Standard Specification for Nickel Alloy, Corrosion and Heat Resistant, Sheet and Strip

Group - Non-Ferrous Nickel Alloys

Sub Group - UNS N07722 Nickel Alloy, Corrosion and Heat Resistant, Sheet and Strip

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

Grade Belongs to the Industry - Sheet and Strip

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|-----------------|---|--|
| Carbon | C % | 0.080 max. | As-Cast or Annealing or Age Hardning | |
| Silicon | Si % | 0.070 max. | | |
| Manganese | Mn % | 1.000 max. | | |
| Chromium | Cr % | 14.000 - 17.000 | | |
| Copper | Cu % | 0.500 max. | | |
| Iron | Fe % | 5.000 - 9.000 | | |
| Sulphur | S % | 0.010 max. | | |
| Titanium | Ti % | 2.000 - 2.750 | | |
| Aluminium | Al % | 0.400 - 1.000 | | |
| Nickel | Ni % | 70.000 min. | | |
| - | - | - | Mechanical Properties Tensile Strength in Mpa 862 min. Yield Strength in Mpa 565 min. Elongation in % 15 min. Reduction of Area in % 15 min. Hardness in HRC 23 min. Impact in Joule - | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |

| Cross Reference Table | | | |
|-----------------------|----------|---------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| Inconel 722 | SAE | USA | Sheet and Strip |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |

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