



**GRAVITY CAST PVT. LTD.**  
**GRAVITY GROUP OF COMPANIES**

## Material - SAE Hastelloy C276

### Standard Specification for Nickel and Nickel-Related Alloys

Group - Non-Ferrous Nickel Alloys

Sub Group - SAE Hastelloy C276 Nickel and Nickel-Related Alloys

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

Grade Belongs to the Industry - Casting

| Chemical Composition |           |             | Heat Treatment  |  |
|----------------------|-----------|-------------|---|--|
| Carbon               | C %       | 0.020 max.  | As-Cast or Annealing or Age Hardning  |  |
| Chromium             | Cr %      | 16.000 max. |   |  |
| Iron                 | Fe %      | 6.000 max.  |   |  |
| Manganese            | Mn %      | 1.000 max.  |   |  |
| Molybdenum           | Mo %      | 16.000 max. |   |  |
| Silicon              | Si %      | 0.050 max.  |   |  |
| Tungsten             | W %       | 4.000 max.  |   |  |
| Ni + Co              | Ni% + Co% | 57.000 min. |   |  |
| -                    | -         | -           | <b>Mechanical Properties</b><br>Tensile Strength in Mpa      759 - 1000<br>Yield Strength in Mpa      462 - 828<br>Elongation in %      24 - 60<br>Reduction of Area in %      -<br>Hardness in HRC      90 - 105<br>Impact in Joule      - |  |
| -                    | -         | -           |   |  |
| -                    | -         | -           |   |  |
| -                    | -         | -           |   |  |
| -                    | -         | -           |   |  |
| -                    | -         | -           |   |  |
| -                    | -         | -           |   |  |
| -                    | -         | -           |   |  |

| Cross Reference Table |          |         |                              |
|-----------------------|----------|---------|------------------------------|
| Material              | Standard | Country | Grade Belong to the Industry |
| N10276                | UNS      | USA     | Casting                      |
| UNITEMP C 276         | SAE      | USA     | Casting                      |
| -                     | -        | -       | -                            |
| -                     | -        | -       | -                            |
| -                     | -        | -       | -                            |
| -                     | -        | -       | -                            |
| -                     | -        | -       | -                            |

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto: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**