



Material - UNS N26059

Standard Specification for Castings, Nickel and Nickel Alloy

Group - Non-Ferrous Nickel Alloys

Sub Group - UNS N2605 Castings, Nickel and Nickel Alloy

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 | |
| Silicon | Si % | 0.020 max. | | |
| Manganese | Mn % | 1.000 max. | | |
| Phosphorus | P % | 0.020 max. | | |
| Sulphur | S % | 0.020 max. | | |
| Chromium | Cr % | 22.000 - 24.000 | | |
| Iron | Fe % | 1.500 max. | | |
| Molybdenum | Mo % | 15.000 - 16.500 | | |
| Nickel | Ni % | Balance | | |
| - | - | - | Mechanical Properties | |
| - | - | - | Tensile Strength in Mpa | 495 min. |
| - | - | - | Yield Strength in Mpa | 270 min. |
| - | - | - | Elongation in % | 40 min. |
| - | - | - | Reduction of Area in % | - |
| - | - | - | Hardness in BHN | - |
| - | - | - | Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|---------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| A 494 CX2M | ASTM | USA | Casting |
| SA-494 CX2M | ASME | 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

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.