

## Material: BS 503 LT 60

### Standard Specification for Steel Castings for General Engineering Purposes

**Group:** Ferrous Mild Steel Alloys

**Sub Group:** BS 503 LT 60 Steel Castings for General Engineering Purposes

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

**Grade Belongs to the Industry:** Casting

| Chemical Composition |      |               | Heat Treatment  |  |
|----------------------|------|---------------|---|--|
| Carbon               | C %  | 0.120 max.    | As Cast or Annealing or Normalizing or Hardening and Tempering  |  |
| Silicon              | Si % | 0.600 max.    |   |  |
| Manganese            | Mn % | 0.800 max.    |   |  |
| Phosphorus           | P %  | 0.030 max.    |   |  |
| Sulphur              | S %  | 0.030 max.    |   |  |
| Nickel               | Ni % | 3.000 - 4.000 |   |  |
| Iron                 | Fe % | Balance       |   |  |
| -                    | -    | -             |   |  |
| -                    | -    | -             | <b>Mechanical Properties</b><br>Tensile Strength in Mpa 460 min.<br>Yield Strength in Mpa 280 min.<br>Elongation in % 20 min.<br>Reduction of Area in % -<br>Hardness in BHN 134 - 187<br>Impact in Joule - |  |
| -                    | -    | -             |   |  |
| -                    | -    | -             |   |  |
| -                    | -    | -             |   |  |
| -                    | -    | -             |   |  |
| -                    | -    | -             |   |  |
| -                    | -    | -             |   |  |
| -                    | -    | -             |   |  |

| Cross Reference Table |          |           |                              |
|-----------------------|----------|-----------|------------------------------|
| Material              | Standard | Country   | Grade Belong to the Industry |
| BL2                   | BS       | British   | Casting                      |
| 2074/L3A              | AS       | Australia | Casting                      |
| 20 N12-M              | AFNOR NF | France    | Casting                      |
| -                     | -        | -         | -                            |
| -                     | -        | -         | -                            |
| -                     | -        | -         | -                            |
| -                     | -        | -         | -                            |

**Disclaimer:** All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)