



## Material - NS 5.3102

### Standard Specification For Spheroidal Graphite Cast Irons Castings

Group - Ferrous SG Iron I Ductile Iron Alloys

Sub Group - NS 5.3102 Spheroidal Graphite Cast Irons Castings

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

Grade Belongs to the Industry - Casting

| Chemical Composition |      |   | Heat Treatment          |          |
|----------------------|------|---|-------------------------|----------|
| Carbon               | C %  | - | As-Cast                 |          |
| Silicon              | Si % | - |                         |          |
| Manganese            | Mn % | - |                         |          |
| Phosphorus           | P %  | - |                         |          |
| Sulphur              | S %  | - |                         |          |
| Chromium             | Cr % | - |                         |          |
| Nickel               | Ni % | - |                         |          |
| Copper               | Cu % | - |                         |          |
| Iron                 | Fe % | - |                         |          |
| -                    | -    | - |                         |          |
|                      |      |   | Mechanical Properties   |          |
| -                    | -    | - | Tensile Strength in Mpa | 310 min. |
| -                    | -    | - | Yield Strength in Mpa   | 200 min. |
| -                    | -    | - | Elongation in %         | 12 min.  |
| -                    | -    | - | Reduction of Area in %  | -        |
| -                    | -    | - | Hardness in BHN         | 160 max. |
| -                    | -    | - | Impact in Joule         | -        |

| Cross Reference Table |          |                |                              |
|-----------------------|----------|----------------|------------------------------|
| Material              | Standard | Country        | Grade Belong to the Industry |
| JS 350-22             | ISO      | International  | Casting                      |
| JS 350-22             | AS       | Australia      | Casting                      |
| EN-GJS-350-22         | UNE      | Spain          | Casting                      |
| EN-JS1010             | BS       | British        | Casting                      |
| 5.3102                | EN       | European Union | Casting                      |
| EN-JS1010             | UNI      | Italy          | Casting                      |
| EN-GJS-350-22         | DIN      | Germany        | 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)**

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