

## Material: EN 5.3200

### Standard Specification For Spheoidal Graphiite Cast Irons Castings

**Group:** Ferrous SG Iron I Ductile Iron Alloys

**Sub Group:** EN 5.3200 Spheoidal Graphiite 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 | 400 min.  |
| -                    | -    | - | Yield Strength in Mpa   | 260 min.  |
| -                    | -    | - | Elongation in %         | 3 min.    |
| -                    | -    | - | Reduction of Area in %  | -         |
| -                    | -    | - | Hardness in BHN         | 150 - 230 |
| -                    | -    | - | Impact in Joule         | -         |

| Cross Reference Table |          |               |                              |
|-----------------------|----------|---------------|------------------------------|
| Material              | Standard | Country       | Grade Belong to the Industry |
| JS 500-7              | ISO      | International | Casting                      |
| JS 500-7              | AS       | Australia     | Casting                      |
| EN-GJS-500-7          | BS       | British       | Casting                      |
| EN-JS1050             | UNE      | Spain         | Casting                      |
| 5.3200                | SS       | Sweden        | Casting                      |
| FCD 500-7             | JIS      | Japan         | Casting                      |
| EN-JS1040             | DIN      | Germany       | 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)