

## Material: EN 5.3101

### Standard Specification For Spheoidal Graphiite Cast Irons Castings

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

**Sub Group:** EN 5.3101 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 | 310 min.  |
| -                    | -    | - | Yield Strength in Mpa   | 200 min.  |
| -                    | -    | - | Elongation in %         | 12 min.   |
| -                    | -    | - | Reduction of Area in %  | -         |
| -                    | -    | - | Hardness in BHN         | -         |
| -                    | -    | - | Impact in Joule         | 15 J @ RT |

| Cross Reference Table |          |               |                              |
|-----------------------|----------|---------------|------------------------------|
| Material              | Standard | Country       | Grade Belong to the Industry |
| 350-22-RT             | ISO      | International | Casting                      |
| JS 350-22-RT          | AS       | Australia     | Casting                      |
| EN-GJS-350-22-RT      | UNE      | Spain         | Casting                      |
| EN-JS1014             | BS       | British       | Casting                      |
| EN-JS1014             | UNI      | Italy         | Casting                      |
| EN-GJS-350-22-RT      | DIN      | Germany       | Casting                      |
| FCD 350-22            | JIS      | Japan         | Casting                      |

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