

## Material: SS EN-GJS-700-2

### Standard Specification For Spheoidal Graphiite Cast Irons Castings

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

**Sub Group:** SS EN-GJS-700-2 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 | 600 min.  |
| -                    | -    | - | Yield Strength in Mpa   | 370 min.  |
| -                    | -    | - | Elongation in %         | 1 min.    |
| -                    | -    | - | Reduction of Area in %  | -         |
| -                    | -    | - | Hardness in BHN         | 210 - 305 |
| -                    | -    | - | Impact in Joule         | -         |

| Cross Reference Table |          |                |                              |
|-----------------------|----------|----------------|------------------------------|
| Material              | Standard | Country        | Grade Belong to the Industry |
| JS 700-2              | ISO      | International  | Casting                      |
| JS 700-2              | AS       | Australia      | Casting                      |
| A 536 100-70-03       | ASTM     | USA            | Casting                      |
| D700                  | SAE      | USA            | Casting                      |
| D7003                 | SAE      | USA            | Casting                      |
| EN-GJS-700-2          | UNE      | Spain          | Casting                      |
| 5.3300                | EN       | European Union | Casting                      |

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