



## Material - ASTM B271 Alumium Bronze UNS C95900

### Standard Specification for Copper-Base Alloy Centrifugal Castings

Group - Non-Ferrous Copper Alloy

Sub Group - ASTM B271 Copper-Base Alloy Centrifugal Castings

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

Grade Belongs to the Industry - Rod, Bar, Tube and Shapes

| Chemical Composition |           |                 | Heat Treatment          |   |
|----------------------|-----------|-----------------|-------------------------|---|
| Iron                 | Fe %      | 3.000 - 5.000   | As-Cast                 |   |
| Ni + Co              | Ni% + Co% | 0.500 max.      |                         |   |
| Aluminium            | Al %      | 12.000 - 13.500 |                         |   |
| Manganese            | Mn %      | 1.500 max.      |                         |   |
| Copper               | Cu %      | Balance         |                         |   |
| -                    | -         | -               |                         |   |
| -                    | -         | -               |                         |   |
| -                    | -         | -               |                         |   |
| -                    | -         | -               |                         |   |
| -                    | -         | -               |                         |   |
|                      |           |                 | Mechanical Properties   |   |
|                      |           |                 | Tensile Strength in Mpa | - |
|                      |           |                 | Yield Strength in Mpa   | - |
|                      |           |                 | Elongation in %         | 0 |
|                      |           |                 | Reduction of Area in %  | - |
|                      |           |                 | Hardness in BHN         | - |
|                      |           |                 | Impact in Joule         | - |

| Cross Reference Table |          |         |                              |
|-----------------------|----------|---------|------------------------------|
| Material              | Standard | Country | Grade Belong to the Industry |
| B30 C95900            | ASTM     | USA     | Ingot and Casting            |
| B271 C95900           | ASTM     | USA     | Casting                      |
| B505 C95900           | ASTM     | USA     | Casting                      |
| B148 C95900           | ASTM     | USA     | Casting                      |
| SB-148 C95900         | ASME     | USA     | Casting                      |
| SB-271 C95900         | ASME     | USA     | Casting                      |
| SB-505 C95900         | ASME     | USA     | 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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