



## Material - ASME SB-148 C95600

### Standard Specification for Aluminum-Bronze Sand Castings

Group - Non-Ferrous Copper Alloy

Sub Group - ASME SB-148 Aluminum-Bronze Sand Casting

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

Grade Belongs to the Industry - Casting

| Chemical Composition |           |               | Heat Treatment          |          |
|----------------------|-----------|---------------|-------------------------|----------|
| Aluminium            | Al %      | 6.000 - 8.000 | As-Cast                 |          |
| Ni + Co              | Ni% + Co% | 0.250 max.    |                         |          |
| Silicon              | Si %      | 1.800 - 3.200 |                         |          |
| Copper               | Cu %      | 88.000 min.   |                         |          |
| -                    | -         | -             |                         |          |
| -                    | -         | -             |                         |          |
| -                    | -         | -             |                         |          |
| -                    | -         | -             |                         |          |
| -                    | -         | -             |                         |          |
| -                    | -         | -             |                         |          |
|                      |           |               | Mechanical Properties   |          |
|                      |           |               | Tensile Strength in Mpa | 415 min. |
|                      |           |               | Yield Strength in Mpa   | 195 min. |
|                      |           |               | Elongation in %         | 10 min.  |
|                      |           |               | Reduction of Area in %  | -        |
|                      |           |               | Hardness in BHN         | -        |
|                      |           |               | Impact in Joule         | -        |

| Cross Reference Table |          |         |                              |
|-----------------------|----------|---------|------------------------------|
| Material              | Standard | Country | Grade Belong to the Industry |
| C95600                | UNS      | USA     | Rod, Bar, Tube and Shapes    |
| B148 C95600           | ASTM     | USA     | Casting                      |
| B148 Grade E          | ASTM     | USA     | Casting                      |
| B30 9E                | ASTM     | USA     | Ingot and Casting            |
| B30 C95600            | ASTM     | USA     | Ingot and Casting            |
| SB-148 Grade 9E       | ASME     | USA     | Casting                      |
| SB-148 Grade E        | 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)**

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.