



Material - ASME SB-584 C86200

Standard Specification for Copper Alloy Sand Casting for General Applications

Group - Non-Ferrous Copper Alloy

Sub Group - ASME SB-584 Copper Alloy Sand Casting for General Applications

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

Grade Belongs to the Industry - Casting

| Chemical Composition | | | Heat Treatment | |
|-------------------------|-----------|-----------------------|----------------|--|
| Aluminium | Al % | 3.000 - 4.900 | As-Cast | |
| Iron | Fe % | 2.000 - 4.000 | | |
| Manganese | Mn % | 2.500 - 5.000 | | |
| Ni + Co | Ni% + Co% | 1.000 max. | | |
| Lead | Pb % | 0.200 max. | | |
| Tin | Sn % | 0.200 max. | | |
| Zinc | Zn % | 22.000 - 28.000 | | |
| Copper | Cu % | 60.000 - 66.000 | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| | | Mechanical Properties | | |
| Tensile Strength in Mpa | | 621 min. | | |
| Yield Strength in Mpa | | 310 min. | | |
| Elongation in % | | 18 min. | | |
| Reduction of Area in % | | - | | |
| Hardness in BHN | | - | | |
| Impact in Joule | | - | | |

| Cross Reference Table | | | |
|-----------------------|----------|---------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| C86200 | UNS | USA | Rod, Bar, Tube and Shapes |
| B147-8B | ASTM | USA | Casting |
| B271 C86200 | ASTM | USA | Casting |
| CA862 | SAE | USA | Casting |
| SAE 430A | SAE | USA | Casting |
| SB-505 C86200 | ASME | USA | Casting |
| CACIn303 | KS | Korea | 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

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