

Material: ASTM B30 C87600

Standard Specification for Copper Alloys Ingot and Casting

Group: Non-Ferrous Copper Alloy

Sub Group: ASTM B30 Copper Alloys Ingot and Casting

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

Belongs to the Industry: Ingot and Casting

| Chemical Composition | | |
|----------------------|------|---------------|
| Iron | Fe % | 0.200 max. |
| Manganese | Mn % | 0.250 max. |
| Lead | Pb % | 0.090 max. |
| Silicon | Si % | 3.500 - 5.500 |
| Zinc | Zn % | 4.000 - 7.000 |
| Copper | Cu % | 88.000 min. |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
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| - | - | - |
| - | - | - |

| Heat Treatment |
|----------------|
| As-Cast |

| Mechanical Properties | |
|-------------------------|----------|
| Tensile Strength in Mpa | 414 min. |
| Yield Strength in Mpa | 207 min. |
| Elongation in % | 16 min. |
| Reduction of Area in % | - |
| Hardness in BHN | - |
| Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|---------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| C87600 | UNS | USA | Rod, Bar, Tube and Shapes |
| B198-13C | ASTM | USA | Casting |
| B271 C87600 | ASTM | USA | Casting |
| B584 C87600 | ASTM | USA | Casting |
| SB-584 C87600 | ASME | USA | Casting |
| - | - | - | - |
| - | - | - | - |

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Customer Care: +91-99090 45075 **Email:** info@icastllp.com



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India