

Material: SAE J462 CA874

Standard Specification for Cast Copper Alloys

Group: Non-Ferrous Copper Alloy

Sub Group: SAE J462 Cast Copper Alloys

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

Belongs to the Industry: Casting

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|-----------------|---|--|
| Aluminium | Al % | 0.500 max. | As-Cast | |
| Other | Ot% | 0.500 max. | | |
| Lead | Pb % | 1.000 max. | | |
| Silicon | Si % | 2.500 - 4.000 | | |
| Zinc | Zn % | 12.000 - 16.000 | | |
| Copper | Cu % | 99.500 min. | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | Mechanical Properties Tensile Strength in Mpa 345 min. Yield Strength in Mpa 145 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 |
| C87400 | UNS | USA | Rod, Bar, Tube and Shapes |
| B271 C87400 | ASTM | USA | Casting |
| B30 C87400 | ASTM | USA | Ingot and Casting |
| B584 C87400 | ASTM | USA | Casting |
| SB-584 C87400 | ASME | USA | Casting |
| C87400 | SAE | USA | Casting |
| CACIn803 | KS | Korea | Ingot and Casting |

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

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