

### Key Features

- Good strength and durability
- Good corrosion Resistance
- Good malleability and casting properties
- Good wear resistance

### Common Applications

- General-utility bearings and bushings
- Automobile fittings

### Material Description

Bronze C932, also known as bearing bronze or SAE 660 bronze, is a widely used bearing material renowned for its excellent wear resistance and self-lubricating properties. Bronze C932 is characterized by its high strength, good corrosion resistance, and ability to withstand heavy loads and moderate speeds without the need for external lubrication. It is commonly employed in applications such as bearings, bushings, gears, and wear plates, particularly in environments where oil or grease lubrication is impractical or undesirable.

### Chemical Composition (%)

	Sb	Cu	Fe	Pb	Ni	P	Si	S	Sn	Zn	
Min.		81		6.0					6.3	2.0	
Max.	0.35	85	0.20	8.0	0.50	0.15	0.0030	0.080	7.5	4.0	

### Mechanical Properties

Ultimate Tensile Strength	34,800 PSI
Tensile Yield Strength	18,100 PSI
Hardness	Brinell 65
Elongation at Break	20%

### Physical Properties

Density	0.323 lb/in <sup>3</sup> (8.93 g/cm <sup>3</sup> )
Thermal Conductivity	59W/m.K
Modulus of elasticity	14,500 KSI (100 GPa)
Melting Point	1,570 – 1,790°F (855 – 975 °C)

### Technical Assistance

Our knowledgeable staff, supported by our in-house team of expert metallurgists and engineers, is ready to assist you with any technical inquiries.

### InstaVoxel™ – On-Demand Manufacturing Expert

859 Willard Street Suite 400, Quincy MA 02169 USA  
+1 (617) 302-1629 | [info@instavoxel.com](mailto:info@instavoxel.com)  
[www.instavoxel.com](http://www.instavoxel.com)



InstaVoxel's quality control system is ISO-9001 certified, and all our partners hold relevant certifications.



All information in our data sheet is based on approximate testing and provided to the best of our knowledge and belief. It is presented without any contractual obligations and does not constitute a guarantee of properties, processing, or application possibilities in specific cases. Our warranties and liabilities are defined solely by our terms of trade.