

Key Features

- Good strength
- Poor stress relaxation
- Poor solderability

Common Applications

- Electrical components/parts
- Mechanical fasteners

Material Description

Brass C260, also known as cartridge brass or 70/30 brass, is a common alloy composed of 70% copper and 30% zinc. It is recognized for its excellent cold working properties, corrosion resistance, and attractive golden color. Brass C260 is commonly used in various applications including plumbing fittings, electrical components, architectural hardware, and musical instruments due to its combination of strength, formability, and aesthetic appeal.

Chemical Composition (%)

	Cu	Zn							
Min.									
Max.	70	30							

Mechanical Properties

Ultimate Tensile Strength	71,000 – 81,000 PSI
Tensile Yield Strength	67,000 – 78,000 PSI
Hardness	Rockwell B77
Elongation at Break	6 – 14%

Physical Properties

Density	0.308 lb/in ³ (8.53 g/cm ³)
Thermal Conductivity	121W/m.K
Modulus of elasticity	16,000 KSI (110 GPa)
Melting Point	1,680 – 1,740°F (915 – 950 °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

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



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