

Brass C260

Brass is an alloy consisting of both copper and zinc. The gold material is weather and corrosion resistant with tensile strength like mild steel. It is also an easy to machine material, so feed rates can remain high and coolant need is minimal. Brass C260, or cartridge brass, contains 70 percent copper and 30 percent zinc. The brass alloy has high ductility and is considered the most general purpose of all brass alloys.

Applications

Common applications consist of automotive terminals, ammunition components, clips, electronic/electrical equipment, fasteners, handles and hinges, jewelry, lamp fixtures, locks, musical instruments, screws, rivets, and valve components.

Key Product Benefits

- Corrosion and Weather Resistance
- High Ductility
- Machinability

Properties

Property	Value
Tensile Strength	51,000 psi
Yield Strength (0.5% ext.)	41,000 psi
Elongation (in 2")	45-50%
Rockwell F Hardness	40-45
Melting Point - Liquidus	1,750°F
Melting Point - Solidus	1,680°F
Density (@ 68°F)	0.308 lb/in ³
Specific Gravity	8.530
Electrical Conductivity (@ 68°F)	28% IACS
Thermal Conductivity (@ 68°F)	70 BTU/ft ² /ft/hr/°F
Coefficient of Thermal Expansion per °F (@ 68-572°F)	11.10 × 10 ⁻⁶
Specific Heat Capacity (@ 68°F)	0.090 BTU/lb/°F
Modulus of Elasticity in Tension	16,000 ksi
Modulus of Rigidity	6,000 ksi