

C26000 is a brass alloy, also known as Cartridge Brass or 70/30 Brass. It has 70% copper and 30% zinc, offering excellent cold working properties and corrosion resistance. It is commonly used in ammunition casings, plumbing fittings, electrical connectors, and architectural trim.

Chemical Composition

Element	Maximum Unless Range is Specified
Cu %	68.5-71.5
Pb %	.07
Zn %	Rem.
Fe %	.05

Physical Properties

Property	Maximum Unless Range is Specified
Density lb/in3 at 68F	0.308
Thermal Conductivity ,Btu-in/hr-ft2-F	70
Specific Heat Capacity ,Btu/lb/F	0.09
Specific Gravity	8.53
Electrical Conductivity	28% IACS
Melting Point (Deg °F)	1750-1680
Modules of Elasticity in Tension, ksi	16,000
Modules of Rigidity, ksi	6,000

Mechanical Properties

Property	Maximum Unless Range is Specified
Tensile Strength ksi	50-70
Tensile Yield Strength ksi	30-50
Elongation at Break	10%-25%
Hardness, Rockwell B	55-82

The material properties in this datasheet are provided by one of the manufacturers collaborating with Naxtry. Please note that material properties may slightly vary among different manufacturers. Naxtry can accommodate customer requests for specific materials or brands.