

Copper C110, or electrolytic tough pitch (ETP) copper, is a pure copper with high electrical and thermal conductivity. It is easily shaped and fabricated. Commonly used in electrical wiring, conductors, heat exchangers, and plumbing, it offers excellent ductility, corrosion resistance, and antimicrobial properties.

### Chemical Composition

Element	Maximum Unless Range is Specified
Cu %	99.99
Pb %	.0001
P %	.0003
S %	.0002
Others	.005

### Physical Properties

Property	Maximum Unless Range is Specified
Density g/cm <sup>3</sup>	8.94
Thermal Expansion,10-6/K	17.3
Electrical Resistivity,microhm m	0.017
Electrical Conductivity,W/m <sup>°K</sup>	399
Melting Point (Deg °C)	1083
Modules of Elasticity, Kg/mm <sup>2</sup>	118,000

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.