Copper-Nickel Tube (Cu70-Ni30)

Copper/nickel alloy tube (Cu70/Ni30) delivers seawater corrosion resistance and thermal conductivity for heat exchangers, desalination plants, and marine infrastructure. **SKU:** 1000008732-group
Product Code: CU13-TB-000150

Material Properties for Alloys

Mechanical Properties

Element	Value
Elongation at break(%)	45
Tensile strength(MPa)	410-420

Electrical Properties

Element	Value
Electrical resistivity(µOhmcm)	37.4
Temperature coefficient(K?¹)	-

Thermal Properties

Element	Value
Melting point(C)	1171
Specific heat(J K?¹ kg?¹)	377@23°C
Thermal conductivity(W m?¹ K?¹)	29.4
Coefficient of thermal expansion(x10?? K?¹)	16.2@20-300°C

Physical Properties

Element	Value
Density(gcm?³)	8.94