

# Copper

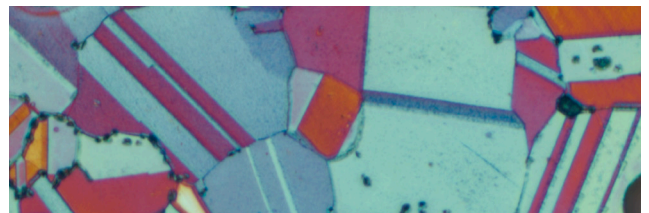
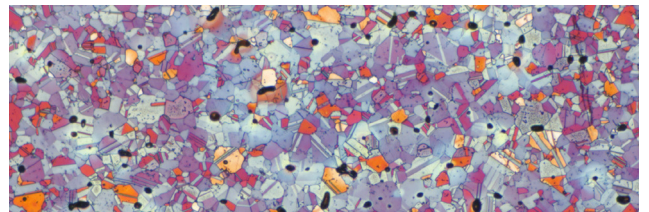
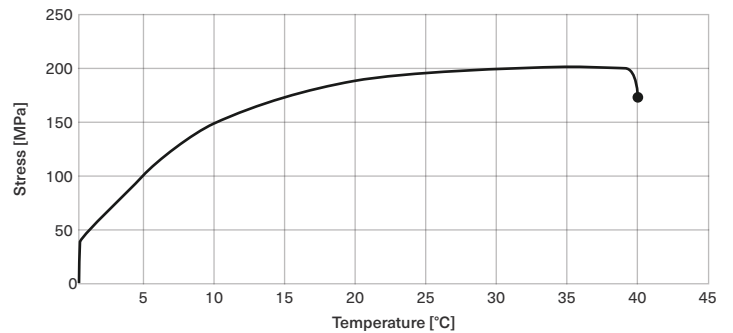
Copper is a 99.9% commercially pure material with excellent electrical and thermal conductivity properties.

It is mostly used for electronics, heat exchangers, heat sinks, engine parts as well as in a variety of industry applications that require good conductivity.

Printing in copper offers freedom of design and enables optimal functionality with few restrictions.



TENSILE TEST BEHAVIOUR OF COPPER



\*LOM Images – DM Cu etched with Klemm's reagent plus polarized light

## Features & Benefits

- 99.9% pure material
- Excellent thermal and electrical conductivity
- Great ductility

Composition	Weight%
Copper	99.9
Iron	0.04
Nickel	0.015
Carbon	0.02
Oxygen	0.003
Others	Balance

Density	Hardness (HRC)
Ultimate tensile strength (MPa)	195
Yield strength [MPa]	30
Elongation [%]	35
Sintered density [g/cm <sup>3</sup> ]	8.6

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