



C10100 OFHC OXIGEN FREE HIGH CONDUCTIVIY COPPER

Copper C10100 is used for electrical and electronic conductors, wave guides, cavity resonators, super conductor matrixes, vacuum tube and solid-state devices, and glass to metal seals.

Copper, OFE, Oxygen Free Electronic. C10100 has conductivity 101% IACS, the highest among coppers.

The machinability rating of this alloy is 20. Soldering is rated as excellent, brazing is rated as good, spot welding is not recommended, seam welding is not recommended, and butt welding is rated as good.

CHEMICAL COMPOSITION

RWMA CLASS	RWMA NUMBER	DESCRIPTION	FE	NI	CO	CR	SI	BE	ZR	AL	CU	OTHER ELEMENTS
101	10100	OXYGEN FREE HIGH CONDUCTIVITY COPPER									99.90	OXYGEN .0010

PHYSICAL PROPERTIES

HARDNESS ROCKWELL	CONDUCTIVITY % I.A.C.S.	YIELD STRENGTH KSI (5% EXT UNDER LOAD)	ULTIMATE TENSILE STRENGHT	ELONGATION % IN 2" OR 4" DIAMETERS
87 F	101	44	48	15