



## Class 3 Beryllium Free Copper (18000)

C18000

Class 3 Beryllium Free

Beryllium Free Copper (18000) meets the mechanical requirements of RWMA Class 3 Copper.

C18000 is utilized when a combination of very good mechanical strength along with moderate electrical and thermal electrical conductivity are required. C18000 is a viable substitute for C17500 and C17510 for many applications. C18000 is a heat treatable copper alloy.

### CHEMICAL COMPOSITION

RWMA CLASS	RWMA NUMBER	DESCRIPTION	FE	W	CD	NI	CO	CR	SI	BE	PB	ZR	AL	CU
3	18000	CLASS III COPPER				1.8 – 3.0		.01-.08	.04-.08					REM

### PHYSICAL PROPERTIES

HARDNESS ROCKWELL	CONDUCTIVITY % I.A.C.S.	YIELD STRENGTH KSI (5% EXT UNDER LOAD)	ULTIMATE TENSILE STRENGTH	ELONGATION % IN 2" OR 4" DIAMETERS
92	45%	75	95	14%

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