



# Delivering Engineered Solutions

Global Manufacturing Resources  
Supply Chain Management

## MATERIAL GRADES - VEKON COPPER

- Oxygen-free copper (OFC) & oxygen-free high thermal conductivity (OFHC) copper
- Tellurium copper (CuTe) with good machinability
- Beryllium bronze (CuBe) for strict requirements on mechanical strength
- Copper chromium zirconium (CuCrZr) with excellent softening resistance performance
- Tungsten copper (CuW) for high temperature working environment
- Brass & other copper alloys

### ASTM Chemical Composition Standards

Grade	Cu Min	P	As	O Max	Ag	Se + Te Max	Te	Sn
C10000 <sup>A</sup>	99.99 <sup>E</sup>	A	A	0.005	A	A	A	A
C10200	99.95	-	-	0.001	-	-	-	-
C10300	99.95 <sup>F</sup>	0.001~0.005	0.001~0.005	-	-	-	-	-
C10400	99.95	-	-	0.001	8 <sup>/</sup>	-	-	-
C10500 <sup>B</sup>	99.95	-	-	0.001	10 <sup>/</sup>	-	-	-
C10700 <sup>B</sup>	99.95	-	-	0.001	25 <sup>/</sup>	-	-	-
C10800	99.95 <sup>F</sup>	0.005~0.012	0.005~0.012	-	-	-	-	-
C10910	99.95	-	-	0.005	-	-	-	-
C11000	99.90	-	-	-	-	-	-	-
C11300 <sup>C</sup>	99.90	-	-	-	8 <sup>/</sup>	-	-	-
C11400 <sup>C</sup>	99.90	-	-	-	10 <sup>/</sup>	-	-	-
C11600 <sup>C</sup>	99.90	-	-	-	25 <sup>/</sup>	-	-	-
C12000	99.90	0.004~0.012	0.004~0.012	-	-	-	-	-
C12200	99.90	0.015~0.040	0.015~0.040	-	-	-	-	-
C12300 <sup>D</sup>	99.90	0.015~0.040	0.015~0.040	-	4 <sup>/</sup>	-	-	-
C14200	99.40	0.015~0.040	0.015~0.040	-	-	-	-	-
C14420	99.90 <sup>G</sup>	-	-	-	-	-	0.005~0.05	0.04~0.15
C14530	99.90 <sup>H</sup>	0.001~0.010	0.001~0.010	-	-	0.023	0.003~0.023	0.003~0.023

Here is a table of compatibility in different standards for reference, please feel free to contact us if you have any detailed elements requirements.

### Compatible Technical Specifications For Most Commonly Orders Grades

Grade	GB	ASTM	JIS	DIN	EN
Cu-OF	TU2	C10100	C1011	OF-Cu	CW008A
Cu-FRHC	T2	C11000	C1100	E-Cu58	-
Cu-DHP	TP2	C12200	C1220	SF-Cu	CW024A
Cu-DLP	TP1	C12000	C1201	-	CW023A
CuAg0.1	TAG0.1	C10400	C1040	-	-