

Copper - Mill Specifications

Type	Alloy No.	Symbol	Chemical Composition		Features & Application
		Plate - P Ribbon - R	Cu	P	
OFCU	C1020	C1020P C1020R	>99.96	-	Features: Good electrical and heat conductivity; good elongation; can be extruded and processed well; good corrosion resistance Application: Materials for high electrical conduction, such as wiring terminals, radiating fin, and transformer coils.
TCU	C1100	C1100P C1100R	>99.90	-	Features: Good electrical and heat conductivity; good elongation; can be extruded and processed well; good corrosion-resistance Application: Electrical equipment, terminals, chemical industry, architectural industry, ornamental industry, gaskets, and trays, etc.
RCU	C1201	C1201P C1201R	>99.90	0.004 - 0.015	Features: Good elongation; can be extruded and processed well; good weldability; good corrosion-resistance; good electrical and heat conductivity.
DCU	C1220	C1220P C1220R		0.015 - 0.040	Application: Gas fired boilers, gaskets, handicraft articles, building materials, chemical industry, and terminals of electrical equipment.

Alloy No.	Quality Grade	Symbol	Mechanical Properties				
		Plate - P Ribbon - R	Tensile Strength (kgf/mm ²)	Elongation	Hardness Test		Electrical Conductivity
					JIS Standard	Mill	
C1020	O	C1020P-O C1020R-O	>20	>35	-	>70	>97
	1/4H	C1020P-1/4H C1020R-1/4H	22 - 28	>25	55 - 100	65 - 85	>97
	1/2H	C1020P-1/2H C1020R-1/2H	25 - 32	>15	75 - 120	80 - 100	>97
	H	C1020P-H C1020R-H	>28	-	>80	>100	>97
C1100	O	C1100P-O C1100R-O	>20	>35	-	>70	>97
	1/4H	C1100P-1/4H C1100R-1/4H	22 - 28	>25	55 - 100	65 - 85	>97
	1/2H	C1100P-1/2H C1100R-1/2H	25 - 32	>15	75 - 120	80 - 100	>97
	H	C1100P-H C1100R-H	>28	-	>80	>100	>97
C1201	O	C1201P-O C1201R-O	>20	>35	-	>70	>97
	1/4H	C1201P-1/4H C1201R-1/4H	22 - 28	>25	55 - 100	65 - 85	>90
	1/2H	C1201P-1/2H C1201R-1/2H	25 - 32	>15	75 - 120	80 - 100	>90
	H	C1201P-H C1201R-H	>28	—	>80	>100	>90
C1220	O	C1220P-O C1220R-O	>20	>35	-	<70	>80
	1/4H	C1220P-1/4H C1220R-1/4H	22 - 28	>25	55 - 100	65 - 85	>80
	1/2H	C1220P-1/2H C1220R-1/2H	25 - 32	>15	75 - 120	80 - 100	>80
	H	C1220P-H C1220R-H	>28	-	>80	>100	>80