

# C64200 (Aluminum Bronze)

US EPA Registered Antimicrobial

## Chemical Composition

(%max., unless shown as range or min.)

	Cu <sup>(1)</sup>	Al	As	Fe	Pb	Mn	Ni <sup>(2)</sup>	Si	Sn	Zn
<b>Min./Max.</b>	Rem.	6.3-7.6	0.09	0.30	0.05	0.10	0.25	1.5-2.2	0.20	0.50
<b>Nominal</b>	91.2	7.0	-	-	-	-	-	1.8	-	-

(1) Cu value includes Ag.

(2) Ni value includes Co.

Note: Cu + Sum of Named Elements, 99.5% min.

## Mechanical Properties (measured at room temperature, 68 F (20 C))

Temper	Section Size	Cold Work	Typ/Min	Temp	Tensile Strength	Yield Strength (0.5% ext. under load)	Yield Strength (0.2% offset)	Yield Strength (0.05% offset)	EI	Rockwell Hardness	Vickers Hard.	Brinell Hard.	Shear Strength	Fatigue Strength*	Izod Impact Strength	
																in.
	mm.			C	MPa	MPa	MPa	MPa					MPa	MPa	J	
<b>Rod</b>																
M30	0.75	0	TYP	68	75	35	-	-	32	77	-	-	-	-	0.0	
	19			20	517	241	-	-	32	77	-	-	-	-	0.0	
H04	1.5	10	TYP	68	93	60	-	-	26	90	-	-	-	-	0.0	
	38			20	641	414	-	-	26	90	-	-	-	-	0.0	
H04	0.75	15	TYP	68	102	68	-	-	22	94	-	-	59	50	0.0	
	19			20	703	469	-	-	22	94	-	-	407	345	0.0	
O50	0.75	0	TYP	68	90	55	-	-	28	89	-	-	-	-	0.0	
	19			20	621	379	-	-	28	89	-	-	-	-	0.0	
O50	0.5	0	TYP	68	92	58	-	-	22	98	-	-	-	-	0.0	
	12.7			20	634	400	-	-	22	98	-	-	-	-	0.0	
<b>Forgings</b>																
M10	2	0	TYP	68	79	38	-	-	30	78	-	-	-	-	0.0	
	51			20	545	262	-	-	30	78	-	-	-	-	0.0	
<b>Bar</b>																
M30	0.75	0	TYP	68	75	35	-	-	32	77	-	-	-	-	0.0	
	19			20	517	241	-	-	32	77	-	-	-	-	0.0	

\*Fatigue Strength:  $100 \times 10^6$  cycles, unless indicated as  $[N] \times 10^6$ .