

Phosphor & Lead Bronze - CC493K

Round Bar

Properties

Stock - Imperial Sizes		Chemical Properties	
Dia (in)	Weight/m (Kg)	Element	Chemical Composition %
1/2	1.35	Copper (Cu)	81.0 - 85.0
5/8	2.03	Nickel (Ni)	2.0
3/4	2.89	Phosphorus (P)	0.10
7/8	3.94	Lead (Pb)	5.0 - 8.0
1	4.99	Tin (Sn)	6.0 - 8.0
1 1/8	6.56	Zinc (Zn)	2.0 - 5.0
1 1/4	7.87		
1 1/2	11.16		
1 3/4	15.09		
2	19.36		
2 1/4	24.61		
2 1/2	29.53		
2 3/4	36.42		
3	43.31		
3 1/4	49.87		
3 1/2	58.73		
3 3/4	67.26		
4	77.76		
4 1/2	98.10		
5	120.74		
5 1/2	145.68		
6	172.91		
6 1/2	206.70		
7	229.67		
8	301.85		
9	367.47		
10	465.90		
11	564.33		
12	692.29		

Mechanical Properties	
Property	Value
0.2% Proof Strength	120 N/mm ²
Tensile Strength	240 N/mm ²
Elongation	12%
Hardness	70 HB

Stock - Metric Sizes

Cast Size (mm)	Finished Size (mm)	Weight kg/m
13	12	1.2
15	14	1.5
16	15	1.8
17	16	2.0
19	18	2.5
21	20	3.0
23	22	3.6
26	25	4.8
29	28	5.9
31	30	6.6

33	32	7.6
36	35	9.0
41	40	11.7
46	45	14.7
51	50	18.1
56	55	22.0
61	60	26.0
66	65	30.4
71	70	35.2
76	75	40.3
81	80	45.8
86	85	51.6
91	90	57.8
96	95	64.4
102	100	73.0
107	105	80.0
112	110	88.0
117	115	95.5
122	120	104.0
127	125	112.5
132	130	122.0
142	140	141.0
152	150	161.50
162	160	183.4
172	170	206.7
182	180	231.40
192	190	259.30
202	200	285.20
212	210	317.0
222	220	348.0
232	230	380.0
242	240	413.0
252	250	447.0
262	260	484.0
272	270	521.0
282	280	560.0
304	300	650.0
324	320	735.0
334	330	785.0
354	350	881.0
404	400	1147.0

Disclaimer

This data is indicative only and as such is not to be relied upon in place of the full specification. In particular, mechanical property requirements vary widely with temper, product and product dimensions. All information is based on our present knowledge and is given in good faith. No liability will be accepted by the Company in respect of any action taken by any third party in reliance thereon.

The information provided in this datasheet has been drawn from various recognised sources, including EN Standards, recognised industry references (printed & online) and manufacturers' data. No guarantee is given that the information is from the latest issue of those sources or about the accuracy of those sources.

Material supplied by the Company may vary significantly from this data, but will conform to all relevant and applicable standards.

As the products detailed may be used for a wide variety of purposes and as the Company has no control over their use; the Company specifically excludes all conditions or

warranties expressed or implied by statute or otherwise as to dimensions, properties and/or fitness for any particular purpose, whether expressed or implied.

Advice given by the Company to any third party is given for that party's assistance only and without liability on the part of the Company. All transactions are subject to the Company's current Conditions of Sale. The extent of the Company's liabilities to any customer is clearly set out in those Conditions; a copy of which is available on request.

□