

Brass - CW721R / CZ114

Hexagon Bar

Properties

Stock		Chemical Properties	
Size A/F (in)	Weight/m (Kg)	Element	Chemical Composition %
0.445	0.94	Copper (Cu)	57.00 typical
0.520	1.31	Tin (Sn)	0.75 typical
0.710	2.39	Lead (Pb)	1.20 typical
0.920	4.01	Iron (Fe)	0.75 typical
1.010	4.80	Aluminium (Al)	0.80 typical
1.100	5.73	Zinc (Zn)	Balance
1.200	6.82		
1.300	8.00		
1.390	9.14		
1.480	10.40		
1.500	10.70		
1.670	13.20		
		Mechanical Properties	
		Property	Value
		Proof Stress	200 - 380 MPa
		Tensile Strength	450 - 580 MPa
		Elongation	30 - 15%
		Hardness Vickers	130 to 170 HV
		Physical Properties	
		Property	Value
		Density	8.63 g/cm ³
		Melting Point	865°C
		Modulus of Elasticity	96.5 GPa
		Electrical Resistivity	0.090 x 10 ⁻⁶ Ω.m
		Thermal Conductivity	88.3 W/m.K

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