TorqBolt Inc.

MATERIAL GRADE DATA SHEET

BRASS 464

COPPER ALLOY

BRASS FREE MACHINING LIGHT VOLTAGE

UNS C46400 alloys are a type of brass-copper alloys. It is also known as naval brass. These alloys have good corrosion resistance, hot workability, and hot forgeability. The following datasheet will provide details about UNS C44400 brass-copper alloys. Copper can be formed into alloys more freely than most metals. It can also be combined with a broad range of alloying elements. There are 400 types of copper alloys with each consisting of many properties that are suitable for various applications, manufacturing processes, and environments.

Chemical Properties

Cu	Fe	Sn	Pb	Zn	Pb
59-62	0.1 max	0.5-1	0.2 max	39	39.25

Mechanical Properties

Yeild strength	Tensile strength	Elongation
Min 0.2% PSI/Mpa	Min PSI/Mpa	Min %
172-455	379-607	50

Physical Properties

Density	Elastic Modulus	Thermal Conductivity	Melting Point
(Kg/m^3)	(Gpa)	(W/m.K)	(nΩ.m)
8.41	117	116	885-900

Heat Treatment

The annealing temperature of B16/360 Brass is 800°-110°0F

Equivalent Designation

UNS C46400

CUSTOMER ASSISTANCE : customer@TorqBolt.com

#4/217, Deccan Bank Bldg,
R. R. Roy Road,Mumbai – 400 004,
Maharashtra, INDIA

Email:info@TorqBolt.com
Web: www.TorqBolt.com