

## CuBe2

### Standard Beryllium Copper

Norms	Description	Applications
UNS C17200 DIN 2.1247 R.W.M.A. Class IV	Strongly age hardenable copper alloy with excellent cold formability, high corrosion resistance, and good electrical conductivity.	<ul style="list-style-type: none"> <li>● Flash Welding Dies</li> <li>● Rim &amp; Chain Welding</li> <li>● Safety Tools Due to Non-Sparking</li> <li>● Non-Magnetic &amp; Corrosion Resistance Products</li> <li>● Chill Plates &amp; Inserts in Plastic Moulding</li> </ul>

Chemical Composition	Mechanical Properties	Physical Properties
<b>Be</b> 2 % <b>Co+Ni</b> 0,5 % <b>Others</b> 0.5 % <b>Cu</b> Balance	<b>Hardness</b> 340 - 380 HB <b>Tensile Strength</b> 1100 - 1300 N/mm <sup>2</sup> <b>Yield Strength</b> 1000 N/mm <sup>2</sup> <b>Elongation (L=5D)</b> 4 - 5 %	<b>Electrical Conductivity</b> min. 22 % IACS <b>Thermal Conductivity</b> 106 W/mK <b>Density</b> 8.3 g/cm <sup>3</sup>

Available Forms	Delivery Conditions
	Forged and solution heat treated.

### STANDARDS & CERTIFICATION

The quality control process is certified with **UNI EN ISO 9001:2015**

In our laboratories, all products are controlled with Optical Emission Spektrometer (OXFORD INSTRUMENTS), hardness/ electrical conductivity tests with bench-type hardness measurements, mobile conductivity testers according to **DIN 3.1.B STANDARDS**.

On request We deliver our products with US Tested (second level ultrasonic report) by third-party independent laboratories

### By phone

**Türkiye (Turkish):**  
+90 (262) 503 02 12

**International (English):**  
+90 (262) 503 40 42

Mon. – Thurs. 9:00 - 18:00 (GMT+3)  
Friday 9:00 - 15:00 (GMT+3)

### By mail

**GM Bakır Alaşımları San. Tic. Ltd. Şti.**  
Dilovası OSB Mahallesi , D-4011 Sokak  
Nr:22/A Gebze Kocaeli -TURKEY,  
41455