

CuCo2Be

Cobalt Beryllium Copper

Norms	Description	Applications
UNS C17500 DIN 2.1285 R.W.M.A. Class III	After hot forging, it gains high resistance and conductivity by precipitation hardening and thermal ageing process. Compared to CuCoNiBe, CuCo2Be has slightly better mechanical and physical properties.	<ul style="list-style-type: none"> ● Spot Welding Electrodes ● Seam Welding Wheels/Discs for Stainless Steel Sheets ● Mesh Welding Electrodes ● Butt Welding Electrodes ● Plunger Tips for Cold Chamber Aluminum Die Casting Machines ● Moulds for Non-Ferrous Metal Casting.

Chemical Composition	Mechanical Properties	Physical Properties
Co 2,5 % Ni 0,3 % Be 0.5 % Cu Balance	Hardness 220 - 260 HB Tensile Strength 700 - 900 N/mm2 Yield Strength 490 - 550 N/mm2 Elongation (L=5D) > 8 %	Electrical Conductivity min. 44 % IACS Thermal Conductivity 200 - 220 W/mK Density 8.75 g/cm3

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 (216) 394 1 666

International (English):
+90 (533) 594 4 389

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

By mail

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