

CuNiBe

Nickel Beryllium Copper

Norms	Description	Applications
UNS C17510 DIN 2.0850 R.W.M.A. Class III	It is possible to have different combinations of electrical conductivity and hardness by changing the heat treatment conditions.	<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	
Ni	2 %	Hardness	235 - 260 HB	Electrical Conductivity	45 % IACS
Be	0,5 %	Tensile Strength	720 - 830 N/mm2	Thermal Conductivity	250 W/mK
Cu	Balance	Yield Strength	620 - 740 N/mm2	Density	8.9 g/cm3
		Elongation (L=5D)	min. 10 %		

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

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