

CuNi10FeMn

Copper Nickel 90/10

| Norms | Description | Applications |
|---------------------------|---|--|
| UNS C 70600 DIN 2.0872 | Copper Nickel 90/10 alloy has high resistance to stress corrosion - erosion in seawater and good weldability. Its combination of good ductility retention and thermal conductivity at very low temperatures is advantageous for low-temperature processing and storage equipment as well as for heat exchangers at cryogenic plants | <ul style="list-style-type: none"> • Heat exchange flanges • Plates for valve bodies • Various products for Marine Industry, Propeller sleeves, flanges, sea-water resistant applications • Flanges for plumping |

| Chemical Composition | | Mechanical Properties | | Physical Properties | |
|----------------------|-----------|--------------------------|-----------------------|--------------------------------|------------------------|
| Ni | 9 - 11 % | Hardness | 70 HB | Electrical Conductivity | 90 % IACS |
| Fe | 1 - 2 % | Tensile Strength | 310 N/mm ² | Thermal Conductivity | 50 W/mK |
| Mn | 0.5 - 1 % | Yield Strength | 164 N/mm ² | Density | 8.90 g/cm ³ |
| Cu | Balance | Elongation (L=5D) | 30 % | | |

Available Forms



Delivery Conditions

Cast and Forged

Cut to size from premachined forms

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