

Standards

Material No.	EN Material No.	EN Designation
2.0970	CC332G	CuAl10Ni3Fe2-C

Description

CuAl10Ni3Fe2-C is a copper-aluminum-alloy with iron and nickel contents.

Special properties

Excellent seawater resistance. Good resistance to acids und alkali.

Chemical Composition

Si ≤ %	Mn ≤ %	Ni %	Cu %	Al %
0.20	2.00	1.50-4.00	80.0-86.0	8.50-10.5
Fe %	Mg %	Pb %	Zn %	
1.00-3.00	≤ 0.05	≤ 0.10	≤ 0.50	

Mechanical Properties 20°C

Hardness HB 30 ≤ HB	0.2% Yield strength R _p ≥ N/mm ²	Tensile strength R _m N/mm ²	Elongation A ₅ ≥ %	Modulus of elasticity kN/mm ²
120	200	500-600	20	120

Physical Properties 20°C

Density g/cm ³	Electrical conductivity MS/m
7.5	5

Application

Mechanical engineering, gears, valves

Available forms for 2.0970 / CuAl10Ni3Fe2-C

Forged / cast parts	Finished part (drawing)
	