

Standards

Material No.	EN Material No.	EN Designation
2.0978	CW308G	CuAl11Fe6Ni6

Description

CuAl11Fe6Ni6 is a copper-aluminum-alloy with iron and nickel contents.

Special properties

Good corrosion and seawater resistance. No stress corrosion. High wear resistance. High resistance to scaling.

Chemical Composition

Si ≤ %	Mn ≤ %	Ni %	Cu %	Al %
0.20	1.50	5.00-7.00	Rest	10.5-12.5
Fe %	Pb %	Zn %		
5.00-7.00	≤ 0.05	≤ 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
210	410	740-760	4-6	115

Physical Properties 20°C

Density g/cm ³	Specific heat capacity J/kg K	Thermal conductivity W/m K	Electrical conductivity MS/m
7.6	450	63	4.6

Application

Gearings, axes, plunger, valves

Available forms for 2.0978 / CuAl11Fe6Ni6

