

QuCu83

EN ISO 24373: S-Cu 6328 (CuAl9Ni5); AWS A.5-7 ERCuNiAl; M.- No.: 2.0923

Is an additive used for build-up welding on Al-Bronze, steels and multiple alloys. And can be used for Cu-Al-Ni alloys, cast and Ni-Al-bronze forged parts. The material is resistant to salt water and has a high resistance to abrasion and wear. It is used for valves, pumps, bearings etc.

Recommendation for

CuAl11Ni6Fe5; CuAl10Ni5Fe4; in general for copper-aluminium-nickel alloys.

Rework

Material- typical treatment

Material analysis in %

Mn	Si	Fe	Zn	Pb	Ni	Al	Cu
0,6-3,5	<0,10	3,0-5,0	<0,10	<0,02	4,0-5,5	8,5-9,5	Rest

(test certificates upon request.)

Standard/Mechanical Values

Inert gas	Argon	Values of the pure weld metal
Temperature	20°C	
Yield strength Re	MPa	380
Tensile strength Rm	MPa	600
Elongation A (Lo = 5do)	%	16
Hardness untreated	HB	200

Following standard:

Laser welding wires

rods: 333 mm / 1.000 mm

spool: K80 / K125 / K250 / SH253 / MA125

The reported values were determined by the manufacturer and / or by a neutral Laboratory. We cannot guarantee for the accuracy.