

QuCu80

(W.-Nr.2.1367)

is used for the surfacing, crack repair and joining of mould inserts from AMPCO bronzes Ampcoloy alloys. Cladding on GGG alloys (eg. drawing tools). Cladding on tools steels or cast. Good gliding properties, sea water resistant, pitting resistant.

Recommended for:

Cu-Al complex aluminium bronzes, surfacing of steel and cast iron.

Rework

material-typical treatment

Material analysis in %

Al	Mn	Fe	Ni	Cu
7,5	13,0	2,5	2,5	Rest

(test certificates upon request.)

Standard/Mechanical Values

Ø	N / mm ²	elongation AL100	Items on stock	
			rods	spools
0,3			X	X
0,4			X	X
0,5			X	X
0,6			X	X
0,7				
0,8			X	X

(results on request)

Mechanical values of the base material (wire)

Elastic limit Rp0,2 N/mm ²	> 400
Tensile strength Rm N/mm ²	> 650
Elongation A5 %	> 10
hardness HB	ca. 290

Hardness after welding

Ø	HRC	base material
1. layer		
2. layer		
3. layer		

(results on request)

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 determined. For the accuracy we can not guarantee)