

QuAIX10

is a cold hardening alloy AlSi(X) with a low melting point and good flow properties. Bright weld, low level of unburned carbon. The weld is easy to polish with a high tensile strength and crack resistance.

Recommended for basic materials:

Joining and layer welding of Forgeable alloys: AlMgCuZn..., Cast alloys: AlSiMg..., AlSiCu...

Rework

material-typical treatment

Material analysis in %

Si	Fe	Cu	Mn	Mg	Cr	Zn	Al
9,3-10,7	0,8	3,3-7,7	0,15	0,15	0,15	0,2	Rest

(test certificates upon request.)

Standard / Mechanical values

Ø	N / mm ²	elongation AL100	Items on stock	
			rods	spools
0,2				
0,25				
0,3				X
0,4				X
0,5				X
0,6				

(results on request)

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)