

QuNi 29

(W.-Nr. 2.4052)

is used for joining and buildup welding of commercial pure nickel qualities including LC-nickel, nickel alloy and nickel-clad steel. These kind of nickel alloys are especially used in pressure vessel and apparatus construction, within the chemical industry, food processing industry and energy industry. Within those industry areas it is required that material has a high corrosion and temperature performance, as well a good conductivity.

In comparison with **QuNi40** this is a pure nickel alloy Ni99.7Mg.

Recommended for:

2.4052, 2.4053, 2.4060, 2.4061, 2.4066, 2.4068

Rework

material-typical treatment

Material analysis in %

C	Si	Mn	Cu	Fe	Mg	Ni
0,05	0,01	0,10	0,03	0,07	0,03-0,07	99,70

(test certificates upon request.)

Standard/Mechanical Values

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

Hardness after welding

∅	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 cannot guarantee)