

QuNi40

(W.-Nr. 2.4155)

is suitable for joining and surfacing on commercial pure nickel grades, including LC nickel, nickel alloys and nickel clad steels. Such materials are employed primarily in the chemical industry, in the food industry and for power generation, where good behavior under corrosion and temperature is demanded.

Recommended for:

2.4060, 2.4061, 2.4066, 2.4068

Rework

material-typical treatment

Material analysis in %

| C | Si | Mn | Fe | Ti | Ni |
|------|-----|-----|-----|-----|------|
| 0,02 | 0,3 | 0,3 | 0,1 | 3,3 | Rest |

(test certificates upon request.)

Standard/Mechanical Values

| Ø | N / mm ² | Elongation AL100 | Items on stock rods spools | |
|-----|---------------------|------------------|----------------------------------|---|
| 0,2 | - | - | - | - |
| 0,3 | - | - | - | - |
| 0,4 | 1207 | 1,70 | X | - |
| 0,5 | 1092 | 2,00 | X | - |
| 0,6 | - | - | - | - |
| 0,7 | - | - | - | - |
| 0,8 | - | - | - | - |

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 cannot guarantee)