

QuFe10NiMo

(W.-Nr.: Sonderlegierung)

is selected for changes to and repairs of cavities. Improved corrosion resistance. Optimised usable hardness of the weld in cavities under load compared with QuFe10.

Possible Hardness: 28 – 37 HRC.
Dependent on layers and hardness of the base material

Recommended for:

1.2311, 1.2312, 1.2162, 1.2738, 1.2764, 1.2767

Rework

The weld can be eroded, structured, polished, chrom-plated, etched, nitrated, annealed and hardened.

Material analysis in %

| C | Si | Mn | Ni | Mo | Cr | V | Fe |
|-----|-----|-----|-----|-----|-----|-----|------|
| 0,1 | 0,6 | 1,6 | 1,4 | 0,3 | 0,4 | 0,1 | Rest |

(Prüfzeugnisse sind auf Anfrage jederzeit erhältlich)

Standard/Mechanical values

| Ø | N / mm ² | elongation AL100 | Items on stock | |
|-----|---------------------|------------------|----------------|--------|
| | | | rods | spools |
| 0,2 | | | X | |
| 0,3 | 1331 | 2,00 | X | 1331 |
| 0,4 | 1275 | 2,3 | X | 1275 |
| 0,5 | 1321 | 3,0 | X | 1321 |
| 0,6 | 1272 | 3,5 | X | 1272 |
| 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 can not guarantee)