

# QuFe31

(W.-Nr.: 1.2606)

is used for reparings and hardfacings on cold and warm working tools, which need the high hardness and abrasion resistance. In comparison with Fe30, this laser welding wire is more resistant against abrasive wear.

High edge stability during dynamic stress. Also used for resin molds with increased edge wear.

Possible Hardness: 54-60 HRC  
 Dependent on layers and hardness of the base material

### Recommended for:

1.2080, 1.2363, 1.2379, 1.2436, 1.2601, 1.2767, 1.2343 and similar

### Rework

Mechanically grinding possible, polish able, limited chrome able, harden able. NOT etchible.

### Material analysis in %

C	Si	Mn	Cr	Mo	V	W	Fe
0,35	1,0	0,4	5,25	1,5	0,3	1,3	Rest

(test certificates upon request.)

### Standard/Mechanical Values

Ø	N / mm <sup>2</sup>	elongation AL100	Items on stock	
			rods	spools
0,2			X	X
0,3			X	X
0,4			X	X
0,5			X	X

### Hardness after welding

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

(results on request)

### Following standard:

#### Laser welding wires

rods: 333 mm / 1.000 mm special length on request

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)