

QuFe31

EN 14700 : S Fe 3; DIN 8555: W/MSG 3-GZ-60 ; M.- No.: 1.2606

is used for reparings and hardfacings on cold and warm working tools, which need to hold the high hardness and abrasion resistance. In comparison with **QuFe30**, 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

Recommendation for

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

Rework

Mechanical grinding possible, polish able, limited chrome-plated, heat-treatable.
NON-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

Inert gas	Argon	Values of the pure weld metal
Temperature	20°C	
Yield strength Re	MPa	
Tensile strength Rm	MPa	
Elongation A (Lo = 5do)	%	
Hardness untreated	HRC	54 - 60

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.
We cannot guarantee for the accuracy.