

QuFe20

(W.-Nr. special Alloy)

is used for highly wear resistant buildups on machine parts and tools subject to heavy abrasion and compression combined with moderate impact at elevated temperatures, such as slide, guide and sealing surfaces. Low wear when using fiber-glass re-enforced plastics. Workable by grinding with tungsten carbide tools

Recommended for basic materials:

1.2082, 1.2083, 1.2311, 1.2312, 1.2343, 1.2344, 1.2367-2606, 1.2764 – 2767, 1.2842

Rework

The weld can be heat treated, nitrated, chrome-plated
CVD coated, polished and machined

Material analysis in %

C	Si	Mn	Cr	Mo	Ti	Fe
0,35	0,3	1,2	7,0	2,0	0,3	Rest

(test certificates upon request.)

Standard / Mechanical values

ø	N / mm ²	elongation AL100	Items on stock	
			rods	spools
0,2	173	1,80	X	X
0,25	-	-	-	-
0,3	1242	2,50	X	X
0,4	1061	2,50	X	X
0,5	1207	3,30	X	X
0,6	1096	3,30	X	X
0,7	-	-	-	-
0,8	935	2,70	X	X

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)