

# QuFe10Cr

(W.-Nr.: 1.7339)

is preferred for changes to and repairs of mould cavities made from tempered materials 1.2311, 1.2312, 1.2162 und 1.2738.

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

The Cr-content in the weld increases the tensile strength, cutting edge quality and the resistance to wear.

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

### Recommended for:

1.2311, 1.2312, 1.2162, 1.2738

### Rework

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

### Material analysis in %

C	Si	Mo	Mn	Cr	Fe
0,1	0,5	0,5	0,8	1,2	Rest

(Prüfzeugnisse sind auf Anfrage jederzeit erhältlich)

### Standard / Mechanical values

Ø	N / mm <sup>2</sup>	elongation AL100	Items on stock	
			Stab	Spule
0,2				
0,3			X	
0,4	987	1,6	X	
0,5	1107	2,4	X	
0,6	1123	2,8	X	
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)