Data sheet

QuFe10NiMo

EN ISO 16834-A: G/S 69 4 M21 Mn3Ni1CrMo, AWS A5.28 ER100S-G; (M.- No.: No material number. Analysis defined by EN ISO and AWS) EN12534 G 3 CrNi1 Mo

is selected for changes to and repairs of cavities. Besides the optimized corrosion resistance and functional hardness the weld is suited for joint welding on coated fine grain steels.

Possible Hardness: 27 – 38 HRC.
Dependent on layers and hardness of the base material

Recommendation for

1.2311, 1.2312, 1.2162, 1.2738, 1.2764, 1.2767
St.50 – St.70, S550QL1-S690QL1; (N-A-XTRA 56; 63; 70); S700MC

Rework

The weld can be eroded, structured, polished, chrome-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	0,3	0,1	Rest

(test certificates upon request)

Standard/Mechanical values

Inert gas	Argon	Values of the pure weld metal
Temperature	20°C	
Yield strength Re	N/mm²	>690
Tensile strength Rm	N/mm²	>750
Elongation A (Lo = 5do)	%	>21
Hardness untreated	HRC	27 - 38

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.
We cannot guarantee for the accuracy.