Data sheet

QuSG2

EN ISO 14341-A G 42 4 C/M 3Si1; AWS/ASME sfa-5.18 ER70S-6, DIB 8559 SG2; M.-No. 1.5125

Low alloy laser filler wire for connecting and building-up on low alloy steels in vehicles, containers, machine tools and boiler construction. The weld is also crack resistant even by multi-layer welding.

The achievable hardness lies between 200 and 250 HB
and is dependent on the processing and welding layers.

Recommended basis materials

S235JRG2 – S355J2 P235GH P265GH P295GH; fine grain up to S420N
St 35 - St 55, St 35.4 - St 55.4; StE255 - StE 380
GS 38 - GS 52 HI - HII, 17Mn 4, 19Mn

Material analysis in %

C	Si	Mn	Fe
0,10	0,8	1,40	Rest

(Test certificates upon request.)

Standard / Mechanical Values

Inert gas	Argon	Values of the pure weld metal
Temperature	20°C	
Yield strength Re	MPa	430
Tensile strength Rm	MPa	500
Elongation A (Lo = 5do)	%	22
Hardness untreated	HRC	

Following standard:

Laser welding wire
Rod: 333 mm / 1.000 mm special lengths upon 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.