Data sheet

# QuMed4115

*EN 12072: G Z 17Mo; EN ISO 14343-A: G/W 17Mo ; AWS A5.9: ~ER430; M.- No.: 1.4115*

The basic material is suitable for wear-resistant hard-facings on components out of unalloyed and low alloyed steels and different kinds of cast steels, heat resistant steels as well as high alloyed steels and kinds of cast steels, particularly for one-layer-welding. The martensitic weld shows a good durability against water, seawater, steam and thinned organic acid. High heat-resistance.

The hardness of the pure weld is aprox. 40 HRC.

## *Recommended for*

1.2085; 1.4057 and similar martensitic GW

## *Material analysis in %*

| C | Si | Mn | Mo | Cr | Ni | Fe |
|---|---|---|---|---|---|---|
| 0,22 | 0,7 | 0,7 | 1,2 | 17,5 | 0,30 | 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 | 490 |
| Tensile strength Rm | N/mm² | 690 |
| Elongation A (Lo = 5do) | % | 15 |
| Hardness untreated | HRC | 39-45 |

## *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.