

## QuLPA-Fe44

~AWS A5.9: ER 316L

The material is suitable for application to constructions in water, gas and steam atmospheres and similar 13 % martensitic Cr. Steels where a good resistance to corrosion is demanded. The weld can be well polished. Application to non and low alloyed steels with temperatures of up to 450°C

Grain size 53 – 150 µm

### **Recommended for:**

1.4404, 1.4571, 1.4541, 1.4301 and similar CrNi/Mo steels

### **Rework**

The weld can be well polished and machined.

### **Material analysis**

| C    | Si  | Mn  | Ni   | Cr   | Mo  | Fe   |
|------|-----|-----|------|------|-----|------|
| 0,03 | 0,8 | 1,5 | 12,0 | 17,0 | 2,5 | Rest |

(Test certificate upon request)

### **Mechanical values**

|                         |                   |                         |
|-------------------------|-------------------|-------------------------|
| Inert gas               | Argon             | Values of the pure weld |
| Temperature             | 20°C              |                         |
| Yield point Re          | N/mm <sup>2</sup> |                         |
| Tensile strength Rm     | N/mm <sup>2</sup> |                         |
| Elongation A (Lo = 5do) | %                 |                         |
| Untreated hardness      | HB                | 180                     |

### **Delivery form:**

Plastic bottle with 5 kg in a packaging of 20 kg

The reported values were determined by the manufacturer and / or by a neutral Laboratory.  
We cannot guarantee for the accuracy.