

QuLPA-Ni24

Nickel-based alloy for application to similar nickel based steels of Inc. 625 or similar. This alloy is used in branches of the air and space as well as the chemical industry. The weld is distinguished by its long-term corrosion resistance, stability against tension cracks and heat cracks. It has a high tensile strength and tenacity even at temperatures up to 1100°C and cold tenacity down to -196°C. Due to the alloy elements Mo and Nb in the NiCr matrix an unusually high fatigue resistance can be achieved. Non-convertible austenitic structure.

Achievable hardness of approx. 17 HRC.

Corn size 45 – 125 µM

Recommended base materials

1.4529, 1.4539, 1.4876, 2.4856, 2.4858, ISO 20172: NiCr22Mo9Nb with group 1.1/1.2

Rework

Typical for this material

Material analysis in %

C	Fe	Si	Cr	Mn	Mo	Nb	Ni
0,03	1,00	0,40	21,5	0,40	8,80	3,50	Rest

(test certificates upon request.)

Mechanical Properties

Inert gas	Argon	Values of the pure weld
Temperature	20°C	
Yield point Re	N/mm ²	
Tensile strength Rm	N/mm ²	
Elongation A (Lo = 5do)	%	
Untreated hardness	HRC	15 – 19

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