

## TECHNICAL DATA

### Specification

Material Number.: 2.4819 UNS : N10276 AWS : 5.14ERNiCrNo-4

Nickel-chromium-molybdenum alloy filler wire with high corrosion resistance in reducing but primarily oxidised media. For joints and overlays on alloys of identical or similar characteristics and cast alloys. Welding the cladding side of sheets with identical or similar overlay. Structure The structure is created austenitically and is ferrite-free.

### Field of Applications

Good corrosion resistance to acetic acid and acetic acid anhydride, hot contaminated sulphur and phosphoric acid and other contaminated mineral acids. Precipitation of intermetallic phases is largely prevented.

### Mechanical Properties

Hardness untreated (HRC)	35
Tensile strength Rm (N/mm <sup>2</sup> )	700
0.2%-yield strength (Rp0.2)(mpa)	420
Elongation A (L-5d)%	35
Thermal conductivity (W/(m*K))	90

Composition in %				
Cr 15.00	Fe 5.00	Ni 60.00	Mo 16.00	W 4.00

### Available Sizes:

MA125 Spools/ Rod 500 mm: Ø mm 0.2 / 0.3 / 0.4 / 0.5 / 0.6 / 0.7 / 0.8

Rods (500 mm): Ø mm 1.0 / 1.2



EN 10204/3.1 2005 Quality Certified



e-version