

TECHNICAL SHEET

Al99,5

Product name

Al99,5

Class of product

Al alloy for MIG/TIG welding

Corresponding standards

DIN 1732 SG-Al99,5
AWS A5.10 ER 1050

Nominal composition (weight %)

Al: ≥ 99,5
Si: 0,25 max
Fe: 0,4 max
Cu: 0,05 max
Mn: 0,03 max
Mg: 0,03 max
Zn: 0,07 max
Ti: 0,03 max
Be: 0,0008 max
Other: 0,02 max.

Physical and mechanical properties (of as cast filler metal)

Tensile Strength: 95 - 120 N/mm²
Yield Strength: 65 – 100 N/mm²
Elongation: 15 – 35 %
Melting range: 647 – 658 °C

Range of application

Aluminium Rods and Wires for MIG and TIG welding of pure aluminium.

Good corrosion resistance and excellent electric properties.

Typical applications are in the electrotecnic field, and in the chemical and alimentary industries.

Al99,5 is also used in the flame spraying technique.

Characteristics Make-up

Rods & Wires

NOTE:

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