

TECHNICAL SHEET

AI99,5 FC

Product name

AI99,5 FC

Class of product

Flux cored aluminium alloy

Corresponding standards (filler metal)

DIN 1732 SG-AI99,5
AWS A5.10 ER 1050

Nominal composition of filler metal (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

Flux cored aluminium rods and wires.

To be used by torch heating on pure aluminium pieces and assemblies, without the need of an additional fluxing operation.

The flux residues are corrosive and hygroscopic and have to be removed by washing or brushing after welding.

Characteristics Make-up

Flux cored rods & Wires
Rings and Preforms from Wire

NOTE:

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