Product name
AlSi5 FC

Class of product
Flux Cored Aluminium Silicon alloy

Corresponding standards (filler metal)
DIN 1732 ~ AlSi5
AWS A5.10 ~ ER 4043
ISO 17672 ~ Al 105
EN 1044 ~ AL 101
AWS A5.8 ~

Nominal composition of filler metal (weight %)
Al: Bal.
Si: 4
Fe: 0,24 max
Cu: 0,01 max
Mn: 0,01 max
Mg: 0,01 max
Zn: 0,02 max
Ti: 0,013 max
Be: 0,0008 max
Other: 0,15 max.

Physical and mechanical properties (of as cast filler metal)
Tensile Strength: 105 - 130 N/mm²
Yield Strength: 70 - 90 N/mm²
Elongation: 15 – 25 %
Melting range: 575 - 630 °C

Range of application
Flux cored aluminium silicon rods and wires.
To be used by torch heating on pure aluminium and aluminium alloys with silicon content below 5%, 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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