

TECHNICAL SHEET

AISI5 FC

Product name

AISI5 FC

Class of product

Flux Cored Aluminium Silicon alloy

Corresponding standards (filler metal)

DIN 1732 ~ AISi5
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:

Information contained in this data sheet are based on the knowledge available to us at the date of last document revision and are believed to be accurate. Anyway, no data contained in this data sheet may be regarded as an assurance of any property of the product. We do not assume any responsibility for results obtained or damages occurred from the use of the information contained in this data sheet. We do not assume any responsibility for any un-proper use of the product. Users should verify the suitability and completeness of information with regard to specific use the product. As end use of product is not under our direct control, it is the user's responsibility to fully comply with applicable laws and regulations in safety and hygiene.

STELLA s.r.l.

Via Marconi 26 – 21041 ALBIZZATE (VA) – ITALY

Tel. +39-0331-985787 – Fax +39-0331-985803

info@stella-welding.com - www.stella-welding.com