Product name
AlSi5

Class of product
Aluminium Silicon alloy for MIG/TIG welding and for brazing

Corresponding standards
- DIN 1732  SG-AlSi5
- AWS A5.10  ER 4043
- ISO 17672  Al 105
- EN 1044  AL 101
- AWS A5.8  -----  

Nominal composition (weight %)
- Al: 95
- Si: 5
- 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
Aluminium Silicon Rods and Wires for MIG and TIG welding of aluminium alloys with Silicon content below 7%.
Excellent fluidity and joint penetration.
AlSi5 is also used as a brazing alloy for joining with this technique aluminium base metals (Mg content below approx. 0,7 %), by flame, induction or furnace and with the use of a suitable flux.
Typical applications are the joining of aluminium parts and elements and in the field of heat-exchangers, air conditioners and condensers and automotive refrigeration systems.

Characteristics Make-up
Rods & Wires

NOTE:
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