

TECHNICAL SHEET

AISI5

Product name

AISI5

Class of product

Aluminium Silicon alloy for MIG/TIG welding and for brazing

Corresponding standards

DIN 1732	SG-AISI5
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/mm ²
Yield Strength:	70 - 90 N/mm ²
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.

AISI5 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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