

CLASSIFICATIONS

EN ISO 18273 : S Al 4047 (AISI 12)

EN ISO 17672 : Al 112

AWS A5.10 : ER 4047

DESCRIPTION

- Al 4047 TIG is aluminum TIG rod with high content of Silicon
- It is used for joining and filling of aluminum silicon cast alloys including more than 7% silicon
- It has a good fluidity. Oxyacetylene welding and brazing is possible with WI F-Al
- It is recommended that preheating to 150°C before welding of plates thicker than 15mm
- Shielding gas: Ar

CHEMICAL ANALYSIS OF WELD METAL % (TYPICAL)

Al: rest | Si: 12.0 | Mn: <0.3 | Fe: <0.5

MECHANICAL PROPERTIES

Density (kg/dm ³)	Yield Strength (MPa)	Tensile Strength (MPa)	Elongation (L ₀ =5d ₀) (%)	Melting Range (°C)	Hardness (HB)
2.6	80	170	8	575 - 585	45

WELDING METHOD

TIG Welding - Gas Welding

Current Type	Electrode
TIG A.C.	WI E AISI 12

WELDING POSITIONS



OPERATING DATA

Product Code	Diameter x Length (mm) / (inch)		Package Weight (Kg)
1011100102	2,00 x 1000	5/64 x 39"	5
1011100103	2,40 x 1000	3/32 x 39"	5
1011100104	3,20 x 1000	1/8 x 39"	5