



TIG ALS12

Old reference: TIG AlSi12

Classification

AWS A5.10 : ER4047
ISO 18273 : S Al 4047 (AlSi12)

Material N° : 3.2585

Description & Applications

Solid rod for TIG welding of Aluminium castings with more than 7% Si. Very similar to a eutectic brazing product (570-585°C), therefore very good flowing and wetting characteristics.

Main applications: For the repair of foundry pieces or unidentified nuances of aluminium alloys, this is often the case in repair of agricultural equipments / machinery.

Typical Chemical Composition (%)

Si	Fe	Cu	Mn	Mg	Zn	Al
12.0	<0.5	0.007	0.05	0.02	0.03	Rem.

All Weld Metal Mechanical Properties

R _{p0.2} (MPa)	R _m (MPa)	A ₅ (%)
70	140	18

Welding Current & Instructions

Welding mode	Shielding Gas
TIG ~	Ar : 5-10 l/min Argon / He : 5-10 l/min

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