



TIG ALS5

Old reference: TIG AISi5

Classification

AWS A5.10 : ER4043
ISO 18273 : S Al 4043 (AlSi5)

Material N° : 3.2245

Description & Applications

Solid rod for TIG welding of Aluminium alloys with a Si content up to 7%. Applicable for a wide variety of Aluminium alloys. Widely used in foundry reparations.

Base materials:

DIN	:	AlMgSi0,5; AlMgSi1; AlSi7Mg; ISi5Mg
Alloy	:	3004; 3005; 3303; 5005; 6060; 6061; 6070; 6063; 6071; 6351
Material N°	:	3.3206; 3.3210; 3.2371; 3.2341

Typical Chemical Composition (%)

Si	Fe	Cu	Mn	Mg	Zn	Ti	Al
5.0	<0.4	0.001	0.05	0.003	0.003	0.006	Rem.

All Weld Metal Mechanical Properties

R _{p0.2} (MPa)	R _m (MPa)	A ₅ (%)
80	120	20

Welding Current & Instructions

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

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