

Standards

TS EN ISO 18273	: S Al 4043 (AlSi5)
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TS EN ISO 17672	: Al 105
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AWS A5.10	: ER 4043

**Chemical Composition of
Welding Wire % (Typical)**

Al	Si	Mn	Fe
rest	5.0	0.03	0.5

Mechanical Properties

Density (kg/dm ³)	Yield Strength (N/mm ²)	Tensile Strength (N/mm ²)	Elongation ((L ₀ =5d ₀) (%))	Melting Range (N/mm ²)
2.7	100	160	15	573-625

Features and Applications

- AlSi5 is aluminum TIG rod with high content of silicon
- It is used for joining and filling of aluminum silicon cast alloys including up to 7% silicon
- It is recommended that preheating to 150°C before welding of plates thicker than 15 mm
- For gas welding, GeKaTec F-LH1 is recommended

Welding Method

TIG Welding - Gas Welding

Current Type	MIG Wire	Electrode
TIG A.C.	GeKa AlSi5 / GeKaTec 4043 MIG	GeKaTec Aluweld Si

Welding Positions

Operating Data

Product Code	Diameter x Length (mm) / (inch)		Package Weight (Kg)
	6011100296	1.6 x 1000	
6011100249	2.0 x 1000	5/64 x 39"	5
6011100250	2.4 x 1000	3/32 x 39"	5
6011100251	3.2 x 1000	1/8 x 39"	5
6011100297	4.0 x 1000	5/32 x 39"	5