

**Standards**

TS EN ISO 18273	: S Al 4043 (AISi5)
EN ISO 18273	: S Al 4043 (AISi5)
TS EN ISO 17672	: Al 105
EN ISO 17672	: Al 105
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 <sup>3</sup> )	Yield Strength (N/mm <sup>2</sup> )	Tensile Strength (N/mm <sup>2</sup> )	Elongation ((L <sub>0</sub> =5d <sub>0</sub> ) (%))	Melting Range (N/mm <sup>2</sup> )
2.7	100	160	15	573-625

**Features and Applications**

- AISi5 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 AISi5	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

**Approvals:** GOST-R, SEPRO