MIG ALS5

Old reference: MIG AlSi5

Classification

ISO 18273 : S Al 4043 (Al Si5) Material N° : 3.2245
AWS A5.10 : ER4043

Description & Applications

Solid wire for GMAW used to weld Aluminium-Silicon alloys with Si content up to 7%. Applicable for a wide variety of Aluminium alloys. Widely used in foundry reparations.

Base material:

Alloy	DIN	Material N°.
3004-3005	AlMgSi0.5	3.3206
3303	AlMgSi1	3.3210
5005	AlSi7Mg	3.2371
6060-6061-6063-6070-6071	AlSi5Mg	3.2341
6351		

Typical Chemical Composition (%)

Si	Fe	Cu	Mn	Mg	Zn	Ti	Al
5.0	0.15	0.001	0.03	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	Wire Ø (mm)	Welding parameters		Shielding Gas
		Pulsed arc (A)	(V)	
MIG = +	1.0 1.2 1.6	100-150 130-200 170-260	18-22 18-25 20-27	Ar/He: 18-20 l/min

Ind.10

Liability: This document is intended to assist the user in choosing the product. It is up to the user to verify that the chosen product is suitable for applications for which it is intended. The company FSH Welding Group reserves the right to alter specifications without prior notice of its products. The descriptions, illustrations and specifications are for reference only and cannot be held liable for FSH Welding Group. **Fumes:** Consult information on MSDS, available upon request.