

ML4043

For aluminium

Classifications

EN ISO 18273	: S Al 4043 (AlSi5 (A))
AWS A5.10	: ER 4043
Material No.	: 3.2245

Approvals

Other	: DB, TUV
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Description

- This alloy is particularly used to prevent solidification cracks in connection with high dilution and clamp conditions
- Anodizing gives dark grey colours and is not recommended
- The weld pool is very fluid
- The chemical analysis meets the specification of 4043 and 4043A

Application fields

Automotive, constructions, heat exchangers, AlSi alloys up to 7% Si, AlMgSi0,5, AlMgSi0,8, AlMgSi1, AlZnMg, AlCuMg

Polarity

- DCEP (DC-)

Typical chemical composition of all-weld metal (%)

Si	Fe	Cu	Mn	Mg	Zn	Ti	Be	Al	Other total	Other each
4.5-6	<0.60	<0.30	<0.05	<0.05	<0.10	<0.20	<0.0003	Remainder	<0.15	<0.05

Typical mechanical properties of all-weld metal

Tensile Strength (MPa)	Elongation (%)
Min. 130	Min. 5

Package

Diameter (mm)	1.6, 2, 2.4, 3.2, 4
Rod (kg)	5, 10
More diameters and packing upon request	