

LNT/LNM AISi 5

Aluminium wire

Classification

AWS A5.10-99	: ER4043
ISO 18273-01	: AI 4043A

General description

Solid wire for welding of aluminium-silicium alloys

Shielding gases (acc. EN 439)

GTAW/GMAW	I1	Inert gas Ar (100%)
	I1	Inert gas Ar (100%)
	I3	Inert gas Ar+ >0-95% He

Approvals

	DB	TÜV
GTAW	+	+
GMAW	+	+

Chemical composition (w%), typical, wire / rod

Al	Mn	Si	Ti	Fe	Zn	Cu	Mg
bal.	0.01	4.7	0.001	0.3	0.002	0.01	0.004

Mechanical properties, typical

	Process	Shielding gas	Condition	0.2% Proof strength (N/mm ²)	Tensile strength (N/mm ²)	Elongation (%)
Typical values	GTAW	I1	AW	100	160	15
	GMAW	I1	AW	100	160	15

Physical properties

Melting range	573 - 625°C
Density	approximately 2680 kg/m ³

Materials to be welded

Material	Code	Type	W.Nr.	Int.Reg.Nr.	Int.Cast.Nr.
Aluminium cast alloys	DIN 1725-1	Al Mg Si 0.5	3.3206	6060	
		Al Mg Si 0.7	3.3210	6005A	
		Al Mg Si 0.8	3.2316	6181	
Aluminium cast alloys	DIN 1725-2	G-Al Si 5			443.0

Packaging

Process	Unit	Sizes (mm)								
		0.8	1.0	1.2	1.6	2.0	2.4	3.2	4.0	
GTAW	5 kg tube					X	X	X	X	X
GMAW	7 kg spool B300	X	X	X	X			X		

Other sizes and packaging on request

LNT/LNM AISi 5: rev. EN 15

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GMAW / GTAW