

LNT AISi12

CLASSIFICATION

AWS A5.10/5.10M - R4047
 ISO 18273 - S Al 4047A (AlSi12)
 EN 573.3 - EN AW-AlSi12
 AA - 4047
 Werkstoff Nr. - 3.2585

GENERAL DESCRIPTION

Lower melting point and higher fluidity than 4043 wires
Can be used as a substitute for 4043 to increase silicon content in the weld metal and minimize hot cracking and produce higher fillet weld shear strength
Can be used as a brazing alloy

SHIELDING GASES (ACC. ISO 14175)

I1 : Inert gas Ar (100%)
 Flow Rate : 8 - 15 L/min

APPROVALS

CE

+

CHEMICAL COMPOSITION (W%) TYPICAL WIRE

Al	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Be
bal.	11-13	max. 0.6	max. 0.30	max. 0.15	0.10	0	max. 0.20	max. 0.15	max. 0.0003

Notes : Unspecified elements should not exceed a total of 0.15%

MECHANICAL PROPERTIES. TYPICAL. ALL WELD METAL

	Shielding gas	Condition	Yield strength (N/mm ²)	Tensile strength (N/mm ²)	Elongation (%)
Typical values	I1	AW	60-80	130-190	5-20

PHYSICAL PROPERTIES

Melting range : 573 - 585°C
 Density : approximately 2680 kg/m³

MATERIAL TO BE WELDED

Refer to "Filler Metal Guide for Aluminium"

APPLICATIONS

For welding 6XXX alloys, and most casting alloys
 Automotive components , radiators and air conditioning

PACKAGING AND AVAILABLE SIZES

Diameter (mm)	2.0	2.4	3.2	4.0
Unit : 5 kg tube	X	X	X	X
Other sizes and packaging on request				

Note : Cut length = 1000 mm

LNT AISi12: rev. EN 22