

# LNM AlMg3

## CLASSIFICATION

ISO 18273 - S Al 5754 (AlMg3)  
 EN 573.3 - EN AW AlMg3  
 Werkstoff Nr. - 3.3536

## GENERAL DESCRIPTION

Magnesium alloyed aluminium for welding of alloys with a maximum of 3.5% Mg  
 Good corrosion resistance and excellent colour match after anodizing  
 Suitable for a wide range of applications in general construction and structural industry

## WELDING POSITIONS



## SHIELDING GASES (ACC. ISO 14175)

I1 : Inert gas Ar (100%)  
 I3 : Inert gas Ar+ 0.5-95% He  
 Flow Rate : 14.2 - 23.6 L/min

## APPROVALS

TÜV

+

## CHEMICAL COMPOSITION (W%) TYPICAL WIRE

Al	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Be	Mn + Cr
bal.	max. 0.4	max. 0.4	max. 0.1	max. 0.5	2.6-3.6	max. 0.3	max. 0.20	max. 0.15	max. 0.0003	0.10-0.6

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

## MECHANICAL PROPERTIES. TYPICAL. ALL WELD METAL

	Shielding gas	Condition	Yield strength (N/mm <sup>2</sup> )	Tensile strength (N/mm <sup>2</sup> )	Elongation (%)
Typical values	I1	AW	70-80	180-200	15-20

## PHYSICAL PROPERTIES

Melting range : 580 - 642°C  
 Density : approximately 2660 kg/m<sup>3</sup>

## MATERIAL TO BE WELDED

Refer to "Filler Metal Guide for Aluminium"

## APPLICATIONS

General Construction Industry  
 Automotive bumpers and supports

## PACKAGING AND AVAILABLE SIZES

Diameter (mm)	1.0	1.2	1.6
Unit : 7.0 kg spool B300	X	X	X

Other sizes and packaging on request

LNM AlMg3: rev. EN 22