

# LNM AlMg5

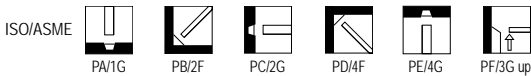
## CLASSIFICATION

AWS A5.105.10M - ER5356  
 ISO 18273 - S Al 5356 (AlMg5Cr(A))  
 EN 573.3 - EN AW-AlMg5  
 AA - 5356  
 Werkstoff Nr. - 3.3556

## GENERAL DESCRIPTION

General purpose filler alloy for welding 5XXX series alloys when 276 MPa tensile strength is not required.  
 Excellent colour match after anodizing

## 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

ABS	GL	LR	DB	TÜV	DNV	BV
+	+	+	+	+	+	+

## CHEMICAL COMPOSITION (W%) TYPICAL WIRE

Al	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Be
bal.	max. 0.25	max. 0.4	max. 0.1	0.05-0.2	4.5-5.5	0.05-0.20	max. 0.1	0.06-0.2	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 <sup>2</sup> )	Tensile strength (N/mm <sup>2</sup> )	Elongation (%)
Typical values	I1	AW	110-120	240-296	17-26

## PHYSICAL PROPERTIES

Melting range : 562 - 633°C  
 Density : approximately 2640 kg/m<sup>3</sup>

## MATERIAL TO BE WELDED

Refer to "Filler Metal Guide for Aluminium"

## APPLICATIONS

Structural frames in the shipbuilding industry  
 Furniture. Storage tanks  
 Railway Industry

Automotive and trailer Industry  
 Formed truck panels  
 Automotive bumpers and supports

## PACKAGING AND AVAILABLE SIZES

Diameter (mm)	0.8	1.0	1.2	1.6
Unit : 7.0 kg spool B300	X	X	X	X

Other sizes and packaging on request

LNM AlMg5: rev. EN 23