

LNMAIMg5

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

ISO/ASME	PA/1G	PB/2F	PC/2G	PD/4F	PE/4G	PF/3G up
						

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 ²)	Tensile strength (N/mm ²)	Elongation (%)
Typical values	I1	AW	110-120	240-296	17-26

PHYSICAL PROPERTIES

Melting range : 562 - 633°C
 Density : approximately 2640 kg/m³

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

LNMAIMg5: rev. EN 23