

SuperGlaze[®] MIG 5356

CLASSIFICATION

AWS 5.10	ER5356	A-Nr	-
ISO 18273	S Al 5356 (AlMg5Cr(A))	F-Nr	22
EN 573.3	EN AW-AlMg5	Mat-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/3Gu

SHIELDING GASES (ACC. ISO 14175)

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

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	0.9	1.0	1.2	1.6	2.4	
0.5 kg plastic spool S100	X		X	X	X		Other sizes and packaging on request
7.26 kg spool S300	X		X	X	X	X	
7.0 kg spool BS300	X		X	X	X	X	
23-27 kg wooden reel			X	X	X	X	
136kg Gem-Pak		X		X	X		
159kg wooden reel			X	X	X	X	
227 kg wooden reel			X	X	X	X	

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