

SuperGlaze® MIG 5556

CLASSIFICATION

AWS 5.10	ER5556	A-Nr	-
ISO 18273	S Al 5556 (AlMg5MnTi)	F-Nr	22

GENERAL DESCRIPTION

Contains Increased amounts of magnesium and manganese.
Provides weld deposits matching tensile strengths for the 5xxx series alloys such as 5083 and 5684
The weld metal is sea water resistant

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

+

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	0.5-1.0	4.7-5.5	0.05-0.20	max. 0.25	0.05-0.20	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	125-145	275-295	17-25

PHYSICAL PROPERTIES

Melting range : 562 - 633°C

Density : approximately 2660 kg/m³

APPLICATIONS

Structural frames in the shipbuilding industry
Furnitures. 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	2.4	Other sizes and packaging on request
0.5 kg plastic spool S100	X	X	X	X		
726 kg spool S300	X	X	X	X	X	
70 kg spool BS300	X	X	X	X	X	
23-27 kg wooden reel		X	X	X	X	
136 kg Accupak			X	X		
159kg wooden reel		X	X	X	X	
227 kg wooden reel		X	X	X	X	

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