

SuperGlaze® MIG 5556A

TOP FEATURES

- High Magnesium alloyed wire.
- The elements are controlled to obtain increased weld strength over the 5356 alloy.
- Good ductility and improved crack resistance.
- High Corrosion resistance for Marine applications.

TYPICAL APPLICATIONS

- Marine
- Aircraft
- Military Industry

CLASSIFICATION

AWS A5.10	ER5556A
EN ISO 18273	S Al 5556A (AlMg5Mn)

SHIELDING GASES (ACC. EN ISO 14175)

I1	Inert gas Ar (100%)
I3	Inert gas Ar+ 0.5-95% He
Flow rate	14-24 l/min (Argon)

APPROVALS

CE

+

CHEMICAL COMPOSITION (WEIGHT %), TYPICAL, WIRE

Al	Si	Fe	Mn	Mg	Cr	Ti	Be
bal.	0.05	0.11	0.6	5.1	0.08	0.09	0.0002

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

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Shielding gas	Condition*	Yield strength (MPa)	Tensile strength (MPa)	Elongation (%)
Typical values	I1	AW	125-140	275-300	15-17

* AW = As welded

PACKAGING AND AVAILABLE SIZES

Wire diameter (mm)	Packaging	Weight (kg)	Item number
1.6	SPOOL	7.3	ED702986

TEST RESULTS

Test results for mechanical properties, deposit or electrode composition and diffusible hydrogen levels were obtained from a weld produced and tested according to prescribed standards, and should not be assumed to be the expected results in a particular application or weldment. Actual results will vary depending on many factors, including, but not limited to, weld procedure, plate chemistry and temperature, weldment design and fabrication methods. Users are cautioned to confirm by qualification testing, or other appropriate means, the suitability of any welding consumable and procedure before use in the intended application

Safety Data Sheets (SDS) are available here:



Subject to Change – The information is accurate to the best of our knowledge at the time of printing. Please refer to www.lincolnelectric.eu for any updated information.