SuperGlaze® TIG 5356

TOP FEATURES

- Aluminium-magnesium alloy for use on many weldable cast and wrought aluminium alloys
- Excellent for color matching after anodizing
- Alloy embossed on each rod for easy identification
- General purpose filler alloy for 5XXX and 6XXX series alloys
- High strength filler metal

CLASSIFICATION

AWS A5.10	R5356
EN ISO 18273-A	S Al 5356 (AlMg5Cr(A))

SHIELDING GASES (ACC. EN ISO 14175)

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

TYPICAL APPLICATIONS

- Architectural structures
- Armored vehicles
- Gun mount bases

APPROVALS

TÜV	DB	CE
+	+	+

CHEMICAL COMPOSITION (WEIGHT %), TYPICAL, WIRE

Al	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Be
bal.	0.06	0.09	0.02	0.12	4.84	0.12	0.001	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	110-120	240-296	17-26

* AW = As welded

PACKAGING AND AVAILABLE SIZES

Diameter x Length (mm)	Packaging	Weight (kg)	Item number
1,6	CARTON BOX	5.0	ED701966
2,0	CARTON BOX	5.0	ED702518
2,4	CARTON BOX	5.0	ED702387
3,2	CARTON BOX	5.0	ED701967
4	CARTON BOX	5.0	ED702585

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.