

SUPERGLAZE® 5556

Aluminum ▪ AWS ER5556

KEY FEATURES

- Provide higher tensile strengths for welding of higher strength 5XXX alloys, such as 5456
- Increased amounts of magnesium and manganese

WELDING POSITIONS

All, except vertical down

NOTE

- Typical Operating Procedures on pg. I-15 - I-16

CONFORMANCES

SFA/AWS A5.10/A5.10M: ER5556
ASME SFA-A5.10: ER5556

TYPICAL APPLICATIONS

- 5XXX alloys, such as 5083 and 5456
- Pressure vessels
- Storage tanks
- Military

SHIELDING GAS

100% Argon
Argon / Helium Mixtures
Flow Rate: 30 - 50 CFH

DIAMETERS / PACKAGING

Diameter in (mm)	1 lb (0.4 kg) Plastic Spool 20 lb (9.1 kg) Master Carton	16 lb (7.3 kg) Plastic Spool	300 lb (136 kg) Gem-Pak™ Box
3/64 (1.2)	EDS30329	EDS29581	ED034767
1/16 (1.6)		EDS29582	ED034731
3/32 (2.4)		ED034175	

WIRE COMPOSITION⁽¹⁾ – As Required per SFA/AWS A5.10/A5.10M

	%Al	%Si	%Fe	%Cu	%Mn
Requirements - AWS ER5556	Remainder	0.25 max	0.40 max	0.10 max	0.50 - 1.00
Typical Results ⁽²⁾	Remainder	0.03	0.13	0.001	0.65
	%Mg	%Cr	%Zn	%Ti	%Be
Requirements - AWS ER5556	4.70 - 5.50	0.05 - 0.20	0.25 max	0.05 - 0.20	0.0003 max
Typical Results ⁽²⁾	5.00	0.10	0.02	0.07	0.0002

⁽¹⁾Typical all weld metal. ⁽²⁾See test results disclaimer

Material Safety Data Sheets (MSDS) and Certificates of Conformance are available on our website at www.lincolnelectric.com

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.

CUSTOMER ASSISTANCE POLICY

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