

SuperGlaze® 5356

AWS ER5356 • Aluminum

Conformances

AWS A5.10/A5.10M: 1999 ER5356
ASME SFA-A5.10: ER5356

Welding Positions

All

Key Features

- ▶ Aluminum-magnesium alloy for use on many weldable cast and wrought aluminum alloys
- ▶ Generally recommended for welding any 5XXX or 6XXX series aluminum alloys
- ▶ Excellent for color matching after anodizing
- ▶ Embossed on each end for easy identification after use

Typical Applications

- ▶ Architectural structures
- ▶ Armored vehicles
- ▶ Gun mount bases

DIAMETERS / PACKAGING

Diameter in (mm)	10 lb (4.5 kg) Carton
1/16 (1.6)	ED031108
3/32 (2.4)	ED031109
1/8 (3.2)	ED031110

DEPOSIT COMPOSITION⁽¹⁾ – As Required per AWS A5.10/A5.10M: 1999

	%Al	%Si	%Fe	%Cu	%Mn
Requirements - AWS ER5356	Remainder	0.25 max.	0.40 max.	0.10 max.	0.05 - 0.20
Typical Performance ⁽²⁾	Remainder	0.06	0.09	0.02	0.12
	%Mg	%Cr	%Zn	%Ti	%Be
Requirements - AWS ER5356	4.05 - 5.5	0.05 - 0.20	0.10 max.	0.06 - 0.20	0.0008 max.
Typical Performance ⁽²⁾	4.84	0.12	0.001	0.09	0.0002

⁽¹⁾Typical all weld metal. ⁽²⁾See test results disclaimer on pg. 12.

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

The Lincoln Electric Company is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

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