SuperGlaze® 5356

AWS ER5356 • Aluminum

Conformances

AWS A5.10/A5.10M: 1999	ER5356
ASME SFA-A5.10:	ER5356
ABS:	IACS W26 Grade WB
Lloyd's Register:	WB/I-1 S
DNV Grade:	5356
GL:	RAlMg4
BV Grade:	WB
CWB/CSA W48-06:	ER5356

Welding Positions

All

Shielding Gas

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

Key Features

- General purpose filler alloy for welding 5XXX series alloys

Typical Applications

- Automotive bumpers and supports
- Structural frames in the shipbuilding industry
- Bicycle frames
- Formed truck panels

DIAMETERS / PACKAGING

Diameter in (mm)	1 lb (0.4 kg) Plastic Spool 20 lb (9.1 kg) Master Carton	16 lb (7.3 kg) Platic Spool	20 lb (9.1 kg) Plastic Spool	300 lb (136 kg) Accu-Pak® Box
0.035 (0.9)	ED030312	ED028385		
3/64 (1.2)	ED030314		ED030282	ED031826[a]
1/16 (1.6)			ED030283	ED030985[a]

[a]Wire payoff kit K2860-1 sold separately.

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	0.05	0.09	0.03	0.12
	%Mg	**%Cr**	**%Zn**	**%Ti**	**%Be**
Requirements - AWS ER5356	4.50 - 5.50	0.05 - 0.20	0.10 max.	0.06 - 0.20	0.0008 max.
Typical Performance[2]	4.56	0.08	< 0.01	0.15	0.0007

[1]Typical all weld metal. [2]See test results disclaimer below.

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.

Lincoln Electric is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.

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

THE LINCOLN ELECTRIC COMPANY
22801 St. Clair Avenue • Cleveland, OH • 44117-1199 • U.S.A.
Phone: +1.216.481.8100 • www.lincolnelectric.com

LINCOLN® ELECTRIC
THE WELDING EXPERTS®

Issue Date 01/12