

# SuperGlaze® 5556

AWS ER5556 • Aluminum

## Conformances

AWS A5.10/A5.10M: 1999	ER5556
ASME SFA-A5.10:	ER5556
ABS:	IACS W26 Grade WC

## Welding Positions

All

## Shielding Gas

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

## Key Features

- ▶ Provide matching tensile strengths for 5XXX alloys
- ▶ Increased amounts of magnesium and manganese

## Typical Applications

- ▶ 5XXX alloys, such as 5083 and 5654
- ▶ Pressure vessels
- ▶ Storage tanks

## DIAMETERS / PACKAGING

Diameter in (mm)	16 lb (7.3 kg) Plastic Spool
3/64 (1.2)	EDS29581
1/16 (1.6)	EDS29582

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

	%Al	%Si	%Fe	%Cu	%Mn
Requirements - AWS ER5556	Remainder	0.25 max.	0.40 max.	0.10 max.	0.50 - 1.00
Typical Performance <sup>(2)</sup>	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	0.0008 max.
Typical Performance <sup>(2)</sup>	5.00	0.10	0.02	0.07	0.0006

<sup>(1)</sup>Typical all weld metal. <sup>(2)</sup>See test results disclaimer below.

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