

# SUPERGLAZE® HD 5556

Aluminum ▪ AWS ER5556

## KEY FEATURES

- Designed for heavy duty applications
- Reduced shavings and improved feedability
- Provide higher tensile strengths for welding 5XXX series alloys
- Increased amounts of magnesium and manganese

## WELDING POSITIONS

All

## NOTE

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

## CONFORMANCES

**AWS A5.10/A5.10M:** ER5556  
**ISO:** S Al5556 (AlMg5Mn6Ti)

## TYPICAL APPLICATIONS

- Ideal for aggressive work environments and applications with long conduit lengths
- Pressure vessels
- Storage tanks

## SHIELDING GAS

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

## DIAMETERS / PACKAGING

Diameter in (mm)	16 lb (7.3 kg) Steel Spool	20 lb (9.1 kg) Plastic Spool	300 lb (136 kg) Gem-Pak™ Box
0.035 (0.9)	ED035680	ED035681	ED036380
3/64 (1.2)			ED036381
1/16 (1.6)			ED036382

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

	%Al	%Si	%Fe	%Cu	%Mn
<b>Requirements</b> - AWS ER5556	Remainder	0.25 max	0.40 max	0.10 max	0.50 - 1.0
<b>Typical Performance</b> <sup>(2)</sup>	Remainder	0.03	0.13	0.001	0.65
	%Mg	%Cr	%Zn	%Ti	%Be
<b>Requirements</b> - AWS ER5556	4.7 - 5.5	0.05 - 0.20	0.25 max	0.05 - 0.20	0.0003 max
<b>Typical Performance</b> <sup>(2)</sup>	5.0	0.10	0.02	0.07	0.0002

<sup>(1)</sup>Typical wire chemistry. <sup>(2)</sup>See test results disclaimer

*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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