

782

TOP FEATURES

- Recommended for high speed fillet weld.
- Excellent slag detachability.
- Available in standard and fine grain size.

CLASSIFICATION

Flux	EN ISO 14174: S A AR/AB 1 76 AC H5		
Flux/wire	EN ISO 14171-A: MR	EN ISO 14171-A: TR	AWS A5.17 / A5.23
782 / L-60	S 42 0 AR/AB S1	S 4T A AR/AB S1	
782 / LNS 135		S 4T 0 AR/AB S2	F7AZ-EM12
782 / L-61	S 46 0 AR/AB S2Si	S 4T 0 AR/AB S2Si	F7AZ-EM12K
782 / L-50M	S 46 0 AR/AB S3Si	S 4T 2 AR/AB S3Si	
782 / LNS 140A		S 4T 2 AR/AB S2Mo	

CHEMICAL COMPOSITION (WEIGHT %), TYPICAL, ALL WELD METAL

Wire grade	C	Mn	Si	P	S	Mo
L-60	0.07	1.0	0.6	<0.03	<0.025	
LNS 135	0.07	1.15	0.7	<0.03	<0.025	
L-61	0.07	1.15	0.8	<0.03	<0.025	
L-50M (LNS 133U)	0.06	1.7	1.0	<0.03	<0.025	
LNS 140A (L-70)	0.07	1.2	0.7	<0.03	<0.025	0.4

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

Wire grade	Condition*	Yield strength (MPa)	Tensile strength (MPa)	Impact ISO-V (J)	
				0°C	-20°C
L-60	TR	>420	>520	45	
LNS 135	TR	>420	>520	55	
L-61	TR	>420	>520	60	
L-50M (LNS 133U)	TR	>460	>550	65	50
LNS 140A (L-70)	TR	>460	>600	70	50

* MR = Multi-Run; TR = Two-Run

FLUX CHARACTERISTICS

Current type	DC/AC
Basicity (Boniszewski)	0.4
Solidification speed	High
Density (kg/dm ³)	1.4
Grain size (EN ISO 14174)	782: 1-20 / 782-FG: 1-16

PACKAGING AND AVAILABLE SIZES

Packaging	Weight (kg)	Item number
PE BAG	25.0	111033
BAG	500.0	FX782-500-F

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

Safety Data Sheets (SDS) are available here:



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