

781

TOP FEATURES

- Features fast follow characteristics that allow for uniform welds at high speeds without undercut or voids
- Recommended for high speed, limited pass welding on clean plate and sheet steel
- Good wetting action

CLASSIFICATION

Flux	EN ISO 14174: S A ZS 1 87 AC H5	
Flux/wire	EN ISO 14171-A: TR	AWS A5.17 / A5.23
781 / L-60		F7A0-EL12
781 / L-61	S 4T 0 ZS S2Si	F7A0-EM12K
781 / L-50M	S 4T 2 ZS S3Si	
761 / LNS 140A	S 4T 2 ZS S2Mo	

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

Wire grade	C	Mn	Si	P	S	Mo
L-61	0.05	1.3	0.9	<0.03	<0.02	
L-50M (LNS 133U)	0.06	1.6	1.0	<0.03	<0.02	
LNS 140A (L-70)	0.06	1.3	0.9	<0.03	<0.02	0.4

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

Wire grade	Condition*	Yield strength (MPa)	Tensile strength (MPa)	Impact ISO-V (J) -20°C
L-61	TR	>420	>540	50
L-50M (LNS 133U)	TR	>450	>560	60
LNS 140A (L-70)	TR	>490	>580	65

* TR = Two-Run

FLUX CHARACTERISTICS

Current type	DC(+/-)/AC
Basicity (Boniszewski)	0.7
Solidification speed	Fast, fluid slag
Density (kg/dm ³)	1.5
Grain size (ISO 14174)	1 -16

PACKAGING AND AVAILABLE SIZES

Packaging	Weight (kg)	Item number
DRUM	250.0	110050
SRB BAG	25.0	FX781-25SRB

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.