

P2007

TOP FEATURES

- Recommended for all stainless steels grades except duplex and stabilized grades
- Recommended for 2G welding application
- Operates on AC

CLASSIFICATION

Flux	EN ISO 14174: S A AF2 5643 AC H5	
Wire	EN ISO 14343-A	AWS A5.9/A5.9M
LNS 304L	S 19 9 L	ER308L
LNS 309L	S 24 12 L	ER309L
LNS 316L	S 19 12 3 L	ER316L
LNS 4455	S 20 16 3 Mn L	ER316LMn
LNS 4500	S 20 25 5 Cu L	ER385
LNS 304H	S 19 9 H	ER308H
LNS 307	S 18 8 Mn	ER307*
Wire	EN ISO 18274	AWS A5.14/ A5.14M
LNS NiCro 60/20	S Ni 6625	ERNiCrMo-3
LNS NiCroMo 60/16	S Ni 6276	ERNiCrMo-4
LNS NiCro 70/19	S Ni 6082	ERNiCr-3

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

Wire grade	C	Mn	Si	Cr	Ni	Mo	N	Nb	Cu	W	FN
LNS 304L	0.015	1.5	0.5	19	10						08-10
LNS 309L	0.015	1.5	0.5	23	13						10-20
LNS 316L	0.015	1.5	0.5	18	12	2.5					08-10
LNS NiCro 60/20	0.006	0.1	0.4	21.5	64.5	8.7		3.8			
LNS NiCroMo 60/16	0.01	0.4	0.2	15	57.5	15.6				3.2	
LNS 4455	0.025	6	0.5	18.5	15	2.6	0.15				
LNS 4500	0.03	1.5	0.6	19	25	4.1			1.2		

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

Wire grade	Condition*	Yield strength (MPa)	Tensile strength (MPa)	Elongation (%)	Impact ISO-V (J)		
					-20°C	-40°C	-196°C
LNS 304L	AW	390	550	35	80	75	40
LNS 309L	AW	400	580	33		70	
LNS 316L	AW	400	560	33	75	70	45
LNS NiCro 60/20	AW	520	780	40			100
LNS NiCroMo 60/16	AW	470	730	43			80**

* AW = As welded

** Lateral expansion: 0.95 mm in AC polarity

FLUX CHARACTERISTICS

Current type	DC(+/-)
Basicity (Boniszewski)	1.6
Solidification speed	High
Density (kg/dm ³)	1.2
Grain size (EN ISO 14174)	2 -20

P2007-EN-03/03/23

PACKAGING AND AVAILABLE SIZES

Packaging	Weight (kg)	Item number
SRB BAG	25.0	FXP2007-25SRB

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.