

P230

TOP FEATURES

- Versatile flux
- Wide range of wire grades compatible with this flux

CLASSIFICATION

Flux	EN ISO 14174: S A AB 1 67 AC H5		
Flux/wire	EN ISO 14171-A: MR	EN ISO 14171-A: TR	AWS A5.17 / A5.23
P230 / LNS 135	S 38 4 AB S2	S 4T 2 AB S2	F7A4/F7P6-EM12
P230 / L-61	S 38 4 AB S2Si		F7A4/F6P5-EM12K
P230 / L-50M	S 46 5 AB S3Si		F7A5/F7P5-EH12K
P230 / LNS 140A	S 46 4 AB S2Mo	S 4T 4 AB S2Mo	F8A4-EA2-G
P230 / L-70	S 46 4 AB S2Mo	S 4T 4 AB S2Mo	F8A4-EA1-G
P230 / LNS 160	S 46 4 AB S2Ni1*		F7A8/F7P8-ENi1-Ni1
P230 / LNS 162	S 46 6 AB S2Ni2*		F7A8/F7P8-ENi2-Ni2
P230 / LNS T55	S50 4 AB Tz		F7A4/F7P5-EC1

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

Wire grade	C	Mn	Si	P	S	Mo	Ni
L-61	0.06	1.4	0.4	<0.03	<0.02		
LNS 135	0.07	1.4	0.25	<0.03	<0.02		
L-50M (LNS 133U)	0.08	1.7	0.5	<0.03	<0.02		
LNS 140A (L-70)	0.07	1.4	0.3	<0.03	<0.02	0.5	
LNS 160	0.07	1.4	0.3	<0.03	<0.02		0.9
LNS 162	0.08	1.2	0.3	<0.03	<0.02		2.0
LNS T55	0.07	1.8	0.8	0.02	0.015		

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

Wire grade	Condition*	Yield strength (MPa)	Tensile strength (MPa)	Elongation (%)	Impact ISO-V (J)		
					-20°C	-40°C	-60°C
LNS 135	AW	400	500	30	50		
L-61	AW	450	520	30	100		
L-61	SR	400	490	30	140	80	
L-50M (LNS 133U)	AW	480	580	30		80	
L-50M (LNS 133U)	SR	460	540	28		70	
LNS 140A (L-70)	MR	540	620	28	70		
LNS 140A (L-70)	TR		620				60
LNS 160	AW	490	570	28		120	45
LNS 160	SR	430	550	28		140	75
LNS 162	AW	500	590	28		120	50
LNS 162	SR	460	570	28		150	80
LNS T55	AW	540	630	28	90	60	
LNS T55	SR	520	610	28	80	50	

* MR = Multi-Run; TR = Two-Run; AW = As welded; SR = Stress relieved

FLUX CHARACTERISTICS

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

PACKAGING AND AVAILABLE SIZES

Packaging	Weight (kg)	Item number
SRB BAG	25.0	FXP230-25SRB

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.