P230

TOP FEATURES

- Versatile and robust flux behavior
- Low hydrogen content
- Good impact values in two run and multirun technique with the related wire chemistry

CLASSIFICATION

Flux	EN ISO 14174: S A AB 1 67 AC H5

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	-	-
L-50M	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	-	-

- = not specified

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
L-61	AW	450	520	30	100	-	-
L-61	SR	400	490	30	140	80	-
L-50M	AW	480	580	30	-	80	-
L-50M	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/dm³)	1.2
Grain size (EN ISO 14174)	2 -20

AVAILABLE SIZES AND PACKAGING INFORMATION

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.