

PRIMACORE™ LW-81K2

PRIMACORE™ LW-81K2 – это основная рутиловая газозащитная микролегированная порошковая сварочная проволока для сварки в среде CO₂, созданная для всех положений сварки низкоуглеродистой стали и стали с пределом прочности 550 МПа, требующей постоянно высоких значений ударной вязкости. PRIMACORE™ LW-81K2 обеспечивает: отличные характеристики валика шва и рабочие характеристики.

PRIMACORE™ LW-81K2 создана специально для стыковой и угловой сварки стали с пределом прочности 550 МПа во всех положениях сварки. Проволока подходит для применения в следующих отраслях: строительство конструкций на воде, кораблестроение и т.д.

ABS: 5Y400SAH10
DNV: VY42MS (H10)
CCS: 5Y42SH10
LR: 5Y42H10

JIS Z 3313: YFL-C506R
AWS A5.29 / ASME SFA-5.29: E81T1-K2C-JH8

Хорошие показатели ударной вязкости при -40°C и при -60°C

Устойчивые качества при широком диапазоне температур

Превосходные рабочие характеристики

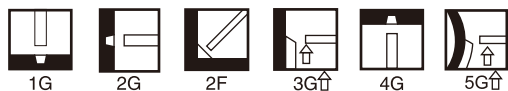
Однопроходная и многопроходная, полуавтоматическая и автоматическая сварка во всех положениях.

Шлак удаляется легко вручную.

Произведена в соответствии с требованиями стандарта ISO 9001

Процесс производства и качество проволоки соответствует Японскому промышленному стандарту.

В наличии имеется упаковка – бочка



PRIMACORE™ LW-81K2

DIAMETERS / PACKAGING

Diameter (mm)	Spool/Drum Weight (kg)	Pallet Weight (kg)	Product No.
1.2	15	1,080	COP81K2E21
1.4	15	1,080	COP81K2E41
1.2	225	900	COP81K2X28
1.4	200	800	COP81K2X48

Cone + Conduit Adapter Part No.: QTM-0001

MECHANICAL PROPERTIES --- ALL WELD METAL

	Yield Strength (0.2% Offset) Mpa	Tensile Strength (Mpa)	Elongation (%)	Impact Value (J)	
				@-40°C	@-60°C
Requirements E81T1-K2C-JH8 Per AWS A5.29	470	550-690	19	27	N. S.
Typical Values (*with 100% CO ₂)	500-570	570-640	26-30	83-130	75-90

*Test results and product properties listed herein for gas shielded wires have been developed with the shielding gas stated. A change of shielding gas may cause significant changes in product performance and weld metal properties. Lincoln Electric does not warrant these products for use with shielding gases other than those listed in the test data.

DEPOSIT COMPOSITION --- ALL WELD METAL

	C	Si	Mn	Ni	S	p	Cr	Mo	V
Requirements(%) Max. E81T1-K2C-JH8 Per AWS A5.29	0.15	0.80	0.50-1.75	1.00-2.00	0.030	0.030	0.15	0.35	0.05
Typical Values(%) (*with 100% CO ₂)	0.04-0.05	0.32-0.40	1.10-1.32	1.67-1.89	<0.01	<0.02	0.01-0.04	<0.01	<0.01

TYPICAL OPERATING PROCEDURES

Wire Polarity CTWD mm (inches)	Wire Feed Speed in/min (cm/min)	Arc Voltage (volts)	Approx.Current (amps)	Melt-Off Rate (kg/hr)	Deposition Rate (kg/hr)
1.2mm PRIMACORE™ LW-81K2 DC+ 20(3/4)	175 (445)	21-24	130	1.8	1.5
	225 (572)	23-25	165	2.4	1.9
	275 (699)	25-27	185	2.9	2.4
	325 (826)	26-29	200	3.4	2.9
	375 (953)	27-29	230	4.0	3.3
	425 (1,080)	28-30	250	4.5	3.7
	475 (1,207)	29-31	270	5.0	4.2
600 (1,524)	31-33	310	6.2	5.3	
1.4mm PRIMACORE™ LW-81K2 DC+ 25(63/64)	150 (381)	23-25	150	2.0	1.7
	200 (508)	24-26	190	2.6	2.2
	250 (635)	25-27	225	3.3	2.8
	300 (762)	26-28	240	4.0	3.6
	350 (889)	27-29	275	4.6	3.7
	400 (1,016)	28-30	300	5.3	4.5
	450 (1,143)	29-31	325	6.0	5.1

Customer Assistance Policy

The business of The Lincoln Electric Company is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for advice or information about their use of our products. We respond to our customers based on the best information in our possession at that time. Lincoln Electric is not in a position to warrant or guarantee such advice, and assumes no liability, with respect to such information or advice. We expressly disclaim any warranty of any kind, including any warranty of fitness for any customers particular purpose, with respect to such information or advice. As a matter of practical consideration, we also cannot assume any responsibility for updating or correcting any such information or advice once it has not been given, nor does the provision of information or advice create, expand or alter any warranty with respect to the sale of our products.

Lincoln Electric is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.

Subject to change - This information is accurate to the best of our knowledge at the time of printing. Please refer to www.lincolnelectric.com.cn for any updated information.

Authorized Distributor:

THE NANJING LINCOLN ELECTRIC Co., LTD

No.2 Qiande Road, Jiangning Science Park, Nanjing, Jiangsu Province, China 211100
Tel: +86-25-8645-2736 8418-8377 Fax: +86-25-8641-8809

www.lincolnelectric.com.cn

