

# OP 122

## TOP FEATURES

- Usable in DC and AC polarity
- Excellent slag removal
- High current carrying capacity.
- Recommended for large throat fillet welds

## CLASSIFICATION

Flux	EN ISO 14174: SA FB 1 65 AC H5	
Flux/wire	AWS A5.17	AWS A5.23
OE-S2	F7A5/F6P5-EM12K	
OE-SD3	F7A4/F6P4-EH12K	
OE-S2Mo		F7A2-EA2-A2

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

Wire grade	C	Mn	Si	Mo
OE-S2	0.07	1.0	0.2	
OE-SD3	0.07	1.5	0.3	
OE-S2Mo	0.07	1.0	0.2	0.5

## MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

Wire grade	Condition*	Yield strength (MPa)	Tensile strength (MPa)	Elongation (%)	Impact ISO-V (J)			
					20°C	0°C	-20°C	-40°C
OE-S2	AW	≥400	450-550	≥24	≥150	≥110	≥90	
OE-SD3	AW	≥400	500-600	≥24	≥160	≥130	≥100	≥70
OE-S2Mo	AW	≥480	550-650	≥20	≥90	≥70	≥40	

\* AW = As welded

## FLUX CHARACTERISTICS

Current type	AC; DC+
Basicity (Boniszewski)	1.7
Grain size (EN ISO 14174)	2-20
Redrying	300-350°C x 2-4h

## PACKAGING AND AVAILABLE SIZES

Packaging	Weight (kg)	Item number
DRY BAG	25.0	W000400118

## 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](http://www.lincolnelectric.eu) for any updated information.