

# OP 192C

## TOP FEATURES

- High silicon pick-up flux
- Smooth bead surface
- Suitable for one side welding as well

## CLASSIFICATION

Flux	EN ISO 14174: S A AB 1 87 AC H5	
Flux/wire	AWS 5.17	AWS 5.23
OE-S1	F6A2/F6P2-EL12	
OE-S2	F7A2/F6P4-EM12K	
OE-S2		F7TA0G-EM12K
OE-SD3		F7A6/F7P6-EH12K
OE-S2Mo		F8A2/F8P2-EA2 A2
OE-S2Mo		F8TA4G-EA2-A2

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

Wire grade	C	Mn	Si	Mo
OE-S1	0.05	1.0	0.4	
OE-S2	0.06	1.5	0.7	
OE-SD3	0.07	1.7	0.7	
OE-S2Mo	0.05	1.6	0.7	0.5

## MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

Wire grade	Condition*	Yield strength (MPa)	Tensile strength (MPa)	Elongation (%)	Impact ISO-V (J)			
					-20°C	-30°C	-40°C	-50°C
OE-S1	AW	≥355	440-550	≥24	40	27		
OE-S1	PWHT 620°C/1h	≥330	420-550	≥22	60	27		
OE-S2	AW	≥420	510-640	≥22	100	50		
OE-S2	PWHT 620°C/1h	≥350	450-550	≥22	110	60	40	
OE-SD3	AW	≥440	530-650	≥22	90		50	27
OE-SD3	PWHT 620°C/1h	≥420	510-650	≥22	90		50	27
OE-S2Mo	AW	≥490	570-680	≥20	50	27		
OE-S2Mo	PWHT 620°C/1h	≥480	560-690	≥20	50	27		

\* AW = As welded, PWHT = Post Weld Heat Treatment

## FLUX CHARACTERISTICS

Current type	AC, DC+
Basicity (Boniszewski)	1.3
Redrying	300-350°C x min. 2h

## PACKAGING AND AVAILABLE SIZES

Packaging	Weight (kg)	Item number
DRY BAG	25.0	W000387705

### 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.  
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