

OP 192

TOP FEATURES

- Agglomerated aluminate-basic flux recommended for both two-run and multi-run techniques
- Good slag detachability
- High current carrying capacity allowing the use of multi-wire processes

CLASSIFICATION

Flux	EN ISO 14174: S A AB 1 67 AC H5		
Flux/wire	AWS A5.17	AWS A5.23	EN ISO 14171-A
OE-S1	F6A2/F6P2-EL12		
OE-S2	F7A2/F7P4-EM12K		
OE-SD3	F7A6/F7P6-EH12K		
OE-S2Mo		F8A2/F8P2-EA2-A2	
OE-S2 NiCu		F7A2-EG-G	S 42 2 AB S2Ni1Cu

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

Wire grade	C	Mn	Si	Ni	Mo	Cu
OE-S1	0.05	1	0.4			
OE-S2	0.05	1.5	0.6			
OE-SD3	0.07	1.7	0.7			
OE-S2Mo	0.07	1.5	0.6		0.5	
OE-S2 NiCu	0.07	1.5	0.6	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	510-620	≥24	≥100	≥60	≥27	
OE-S2	PWHT 620°C/1h	≥400	490-650	≥22	≥100	≥60	≥47	
OE-SD3	AW	≥440	530-650	≥22	≥90		≥70	≥27
OE-SD3	PWHT 620°C/1h	≥420	510-650	≥22	≥90		≥60	≥27
OE-S2Mo	AW	≥500	560-680	≥22	≥100	≥27		
OE-S2Mo	PWHT 620°C/1h	≥480	560-690	≥20	≥90	≥27		
OE-S2 NiCu	AW	≥450	500-600	≥25	≥60	≥27		

*AW = As welded; PWHT = Post weld heat treatment

FLUX CHARACTERISTICS

Current type	AC, DC+
Basicity (Boniszewski)	1.3
Grain size (EN ISO 14174)	2-16
Redrying	300-350°C x 2-4h

PACKAGING AND AVAILABLE SIZES

Packaging	Weight (kg)	Item number
DRY BAG	25.0	W000280032

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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