



CEWELD SACW CrMo1

TYPE

Seamless copper coated wire Type11

APPLICATIONS

These steels are used for creep resisting applications up to ~550 °C.

PROPERTIES

SACW CrMo1 is a cored wire for high temperature creep resistant 1.25%Cr-0.5%Mo ferritic steel, i.e. P11/P12 Typical with FL 155 Flux or FL 160

CLASSIFICATION

AWS

EN ISO

F-nr

FM

A 5.23: EB2

24598-A: S T CrMo1

6

4

SUITABLE FOR

Type 1Cr 0,5Mo, ISO 15608: ~ 5.1

1.7335, 1.7262, 1.7728, 1.7218, 1.7225, 1.7258, 1.7354, 1.7357,
13CrMo4-5, 15CrMo5, 16CrMoV4, 25CrMo4, 42CrMo4, 24CrMo5, G22CrMo5-4, G17CrMo5-5
ASTM A 182 Gr. F12; A 193 Gr. B7; A 213 Gr. T12; A 217 Gr. WC6; A 234 Gr. WP11; A335 Gr. P11,
P12; A 336 Gr. F11, F12; A 426 Gr. CP12

APPROVALS

WELDING POSITIONS

PA

PB

PC

TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)

C	Si	Mn	P	S	Cr	Mo
0.1	0.2	0.8	0.015	0.015	1.2	0.5

MECHANICAL PROPERTIES

Heat Treatment	R _{P0,2} (MPa)	R _m (MPa)	A ₅ (%)	Impact Energy (J) ISO-V		Hardness
				RT	-20°C	
675°C- 705°C 1h	470	570	22	100	50	HRc

REDRYING

Not required

GAS ACC. EN ISO 14175