



CEWELD S2 CrMo2

TYPE Submerged Arc wire for welding temperature resistant boiler steels and base metals.

APPLICATIONS Typical applications in power generation plant include steam piping, turbines and boilers; the alloy also finds applications in the chemical and petrol-chemical industries.

PROPRIÉTÉS Submerged arc welding wire for high temperature creep resistant 2,45%Cr 1,0%Mo ferritic steel. These steels are used for creep resisting applications up to ~550°C. The wire has low levels of tramp elements (e.g. Sn, As, Sb and P) providing a low Bruscato Factor (X< 10 ppm) for temper embrittlement resistant applications. Recommended flux: FL 155

CLASSIFICATION

AWS	A 5.23: EB3
EN ISO	24598-A: S CrMo2
F-nr	6
FM	3

CONVIENT POUR **2,25% Cr, 1% Mo**
1.7015, 1.7131, 1.7147, 1.7380, 1.7337, 1.7262, 1.7258, 1.7350, 1.7357, 1.7375, 1.7379, 1.7383, 1.7385, 1.7707, 1.8075
10CrMo9.10, 12CrMo9-10, 10CrSiMoV7, 12CrSiMo8, 30CrMoV9, GS-18CrMo9.10, 15CrMoV5-10, 16CrMo4-4, 15CrMo5, 24CrMo5, 22CrMo4-4, GS-17CrMo5-5, 15Cr3, 16MnCr5, 20MnCr5, 10CrSiV7,

ASTM: A 387 Gr. 22, A217 Grade WC9, A335 Gr. P22, A217 Gr. WC9, A182 F22, A182 T22, A1031 Gr.5015, A1031 Gr.5115, A1031 Gr.4820

AGRÉMENTS CE

POSITIONS DE SOUDAGE



ANALYSE CHIMIQUE TYPIQUE DU MÉTAL D'APPORT (%)	C	Si	Mn	P	S	Cr	Mo
	0.1	0.25	0.6	0.01	0.01	2.45	1

PROPRIÉTÉS MÉCANIQUES	Heat Treatment	R _{P0,2} (MPa)	R _m (MPa)	A ₅ (%)	Impact Energy (J) ISO-V		Hardness
					RT	-20°C	
	690°C±15°C 3h	490	600	24	100	50	HRc

ETUVAGE Not required

GAS ACC. EN ISO 14175



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S2 CRM02 3,2MM

Packaging	KG/unit	EanCode
K-415	25	8720663404800

S2 CRM02 4,0MM

Packaging	KG/unit	EanCode
K-415	25	8720663424303