CEWELD S2 CrMo2

certilas® THE FILLER METAL SPECIALIST

TYPE

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

ANWENDUNGEN

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

EIGENSCHAFTEN

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

KLASSIFIKATION

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

GEEIGNET FÜR

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

ZULASSUNGEN

CE

SCHWEISSPOSITIONEN

TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

C	Si	Mn	P	S	Cr	Mo
0.1	0.25	0.95	0.01	0.01	2.45	1

MECHANISCHE GÜTEWERTE

Heat Treatment	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Impact Energy (J) ISO-V		Hardness
				RT	-20°C	
690°C±15°C 3h	500	600	24	100	50	HRc

RÜCKTROCKNUNG

Not required

GAS ACC. EN ISO 14175

CEWELD S2 CrMo2

S2 CRMO2 3,2MM

Packaging	KG/unit	EanCode
K-415	25	8720663404800

S2 CRMO2 4,0MM

Packaging	KG/unit	EanCode
K-415	25	8720663424303