

CARBOROD CRM091

TOP FEATURES

- Ideal for welding of creep resisting steels.
- This product is suitable for applications in long-term service at temperatures up to 650°C.

TYPICAL APPLICATIONS

- Power Generation
- Petrochemical

CLASSIFICATION

AWS A5.28 ER 90S-B91
EN ISO 21952-A W CrMo91

SHIELDING GASES (ACC. EN ISO 14175)

I1 Inert gas Ar (100%)

CHEMICAL COMPOSITION (WEIGHT %), TYPICAL, WIRE

C	Mn	Si	Cr	Ni	Mo	Nb	V
0.10	0.5	0.30	9.1	0.65	1.0	0.06	0.22

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Shielding gas	Condition*	Yield strength (MPa)	Tensile strength (MPa)	Elongation (%)	Impact ISO-V (J) +20°C
Typical values	I1	PWHT 760°C x 2h	≥620	≥720	≥19	≥50

*PWHT = Post Welding Heat Treatment

PACKAGING AND AVAILABLE SIZES

Diameter x Length (mm)	Packaging	Weight (kg)	Item number
2.0	PE Tube	5.0	W000402219
2.4	PE Tube	5.0	W000377655

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. Please refer to www.lincolnelectric.eu for any updated information.