

MnMo

CLASSIFICATION

AWS A5.28M ER80S-D2, ER90S-D2
EN ISO 14341-A W 46 3 M G4Mo

SHIELDING GASES (ACC. EN ISO 14175)

I1 Inert gas Ar (100%)

APPROVALS

DNV

+

CHEMICAL COMPOSITION (WEIGHT %), WIRE

	C	Mn	Si	S	P	Ni	Mo	Cu
Min.	0.07	1.60	0.50				0.40	
Max.	0.12	2.10	0.80	0.025	0.025	0.15	0.60	0.4
Typical	0.1	1.9	0.6	0.005	0.01	0.05	0.5	0.1

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

Properties after PWHT	Min.	Typical (590-620°C/1-2h)
Tensile strength (MPa)	550	640
0.2% Proof strength (MPa)	470	530
Elongation (%) 4d	17	32
Impact ISO-V (J) -30°C	47	200
Hardness (HV) cap/mid		235/210

PACKAGING AND AVAILABLE SIZES

Diameter x Length (mm)	Packaging	Weight (kg)	Item number
2.4	PE Tube	5.0	TMNMO-24

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.