

CARBOFIL TENSIMAX 79

TOP FEATURES

- Built for steel with yield strength up to 790 MPa
- Perfect for pressure vessels, cranes, and industrial frames
- Ensures deep penetration and smooth weld finish

TYPICAL APPLICATIONS

- Mobile cranes
- High-strength and wear-resistant machinery
- Heavy equipment
- Defense technology
- Recycling machines

CLASSIFICATION

AWS A5.28 ER110S-G
EN ISO 16834-A G 79 5 M21 Mn4Ni1.5CrMo

APPROVALS

CE

SHIELDING GASES (ACC. EN ISO 14175)

M21 Mixed gas Ar+ 15-25% CO₂

CHEMICAL COMPOSITION (WEIGHT %), TYPICAL, WIRE

C	Mn	Si	P	S	Ni	Cr	Mo
0.08	1.7	0.70	0.010	0.009	1.6	0.3	0.6

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Shielding gas	Condition	Yield strength (MPa)	Tensile strength (MPa)	Elongation		Impact ISO-V (J) -50°C
					4d (%)	5d (%)	
Typical values	M21	AW	810	900	21	19	85

AW = As welded

AVAILABLE SIZES AND PACKAGING INFORMATION

Wire diameter (mm)	Packaging	Weight (kg)	Item number
1.0	SPOOL (BS300)	16.0	C10L016PGE11
1.2	SPOOL (BS300)	16.0	C12L016PGE11

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.