

CARBOFIL TENSIMAX 69

TOP FEATURES

- Designed for high-strength steel up to 690 MPa
- Ideal for structural components and heavy duty machinery
- Delivers excellent arc stability and low spatter

TYPICAL APPLICATIONS

- Mobile cranes
- Heavy equipment
- High-strength and wear-resistant machinery
- Earthmoving equipment

CLASSIFICATION

AWS A5.28 ER1105-G
EN ISO 16834-A G 69 4 M21 Mn3Ni1CrMo

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	Cr	Ni	Mo
0.08	1.6	0.5	0.010	0.007	0.25	1.5	0.25

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Shielding gas	Condition	Yield strength (MPa)	Tensile strength (MPa)	Elongation		Impact ISO-V (J) -40° C
					4d (%)	5d (%)	
Typical values	M21	AW	720	790	23	21	80

AW = As welded

AVAILABLE SIZES AND PACKAGING INFORMATION

Wire diameter (mm)	Packaging	Weight (kg)	Item number
1.0	SPOOL (BS300)	16.0	C10L016PVE11
	DRUM	300.0	C10D300EVE11
1.2	SPOOL (BS300)	16.0	C12L016PVE11
	DRUM	300.0	C12D300EVE11

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.