

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: crushers, breakers

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
0.09	1.7	0.74	0.010	0.009	1.82	0.30	0.55

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