

TENACITO R

TOP FEATURES

- The weld metal is of extremely high metallurgical purity, is ageing-resistant, retaining ISO-V toughness to -60°C and CTOD tested.
- Welds are of X-ray quality.
- Due to the double coating of the 2.5 mm and 3.2 mm sizes, the arc is both stable and concentrated, even at lower welding currents when positional welding, with good gap bridging characteristics.

CLASSIFICATION

AWS A5.1 E7018-1 H4
EN ISO 2560-A E 42 6 B 42 H5

CURRENT TYPE

DC+

WELDING POSITIONS

All position, except vertical down

APPROVALS

ABS	LR	BV	DNV	TÜV	DB
+	+	+	+	+	+

CHEMICAL COMPOSITION (WEIGHT %), TYPICAL, ALL WELD METAL

C	Mn	Si	P	S
0.06	1.45	0.3	≤0.012	≤0.012

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Condition*	Yield strength (MPa)	Tensile strength (MPa)	Elongation (%)	Impact ISO-V (J) -60°C
AWS A5.1	AW	≥400	≥490	≥22	not specified
EN ISO 2560-A	AW	≥420	500-640	≥20	≥47
Typical values	AW	440	580	25	90
	PWHT 580°C/15h	420	550	25	90

* AW = As welded, PWHT = Post Weld Heat Treatment

OUTPUT RANGE

Diameter x Length (mm)	Current range (A)
2.5 x 350	65-95
3.2 x 350	90-140
3.2 x 450	90-140
4.0 x 450	140-185
5.0 x 450	160-240

PACKAGING AND AVAILABLE SIZES

Diameter x Length (mm)	Packaging	Electrodes/pack	Net weight/pack (kg)	Item number
2.5 x 350	VPMD	110	2.1	W000287418
3.2 x 350	VPMD	60	2.1	W000287419
3.2 x 450	VPMD	60	2.8	W000403915
4.0 x 450	VPMD	35	2.4	W000258297
5.0 x 450	VPMD	20	2.2	W000258298, W000403917

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.