FLUXOFIL 41

TOP FEATURES

- Seamless copper coated basic cored wire for welding of high strength steels with minimum Re of 550 MPa and impact tested at -40°C.
- 1.1% Ni and 0.4% Mo, basic slag system.
- Good productivity and high purity of weld metal.

TYPICAL APPLICATIONS

- Steel construction
- Offshore

CLASSIFICATION

AWS A5.29	E90T5-GC-H4
	E90T5-GM-H4
EN ISO 18276-A	T 55 4 1NiMo B M21 2 H5
	T 55 4 1NiMo B C1 2 H5

CURRENT TYPE

DC+

WELDING POSITIONS

All position, except vertical down

SHIELDING GASES (ACC. EN ISO 14175)

C1	Active gas 100% CO_2
M21	Mixed gas Ar+ >15-25% CO_2

APPROVALS

RMRS	TÜV	DB
+	+	+

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

C	Mn	Si	P	S	Ni	Mo
0.07	1.3	0.4	0.01	0.01	1.1	0.4

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Shielding gas	Condition*	Yield strength (MPa)	Tensile strength (MPa)	Elongation (%)	Impact ISO-V (J) -40°C
Typical values	M21	AW	≥550	640-760	≥18	≥60

* AW = As welded

Gas test: 82% Ar + 18% CO_2

PACKAGING AND AVAILABLE SIZES

Wire diameter (mm)	Packaging	Weight (kg)	Item number
1.2	SPOOL (B300)	16.0	W000281197

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.