

FLUXOFIL 38C

TOP FEATURES

- Seamless copper coated basic flux cored wire, suitable for the welding of Cr Mo V-alloyed creep resistant steels.
- Good productivity and high purity of weld metal.

TYPICAL APPLICATIONS

- Power Generation

CLASSIFICATION

AWS A5.36	E70T5-GM-JH4
	E70T5-GC-JH4
EN ISO 17634-A	T Z B M21 3 H5
	T Z B C1 3 H5

CURRENT TYPE

DC+

WELDING POSITIONS

Flat/Horizontal

SHIELDING GASES (ACC. EN ISO 14175)

C1	Active gas 100% CO ₂
M21	Mixed gas Ar+ >15-25% CO ₂

APPROVALS

TÜV

+

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

C	Mn	Si	P	S	Cr	Ni	Mo	V
0.1	0.7	0.3	0.010	0.010	1.3	0.3	0.9	0.25

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Shielding gas	Condition*	Yield strength (MPa)	Tensile strength (MPa)	Elongation (%)	Impact ISO-V (J) +20 °C
Typical values	M21	950°C x 0,5h + 700°C x 16h	≥400	483-655	≥22	≥47

Gas test: 82% Ar + 18% CO₂

PACKAGING AND AVAILABLE SIZES

Wire diameter (mm)	Packaging	Weight (kg)	Item number
1.2	SPOOL (B300)	16.0	W000281247

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.