

Mig Flux-Cored Wire



Flux-Cored Wire (AWS E71T-1)

This is a general purpose, all-position flux-cored mild steel wire designed to produce superior mechanical properties. Suitable for use with 100%CO₂ (-1C) or 80Ar/20CO₂ (-1M) shielding gas.

Applications : for pressure vessels, mechanical equipment, steel bridges, etc.

Welding Wire Chemical Composition (%)

Type	C	Si	Mn	P	S	Cu
E71T-1C	≤ 0.12	≤ 0.90	≤ 1.75	≤ 0.03	≤ 0.03	≤ 0.35
E71T-1M	≤ 0.12	≤ 0.90	≤ 1.75	≤ 0.03	≤ 0.03	≤ 0.35

Mechanical Properties of Deposited Metal

Type	Shielding gas	Yield strength (Mpa)	Tensile strength (Mpa)	Elongation (%)	AKV Impact Energy (J) (°C)
E71T-1C	CO ₂	≥ 400	≥ 480	≥ 22	≥ 47 (-20°)
E71T-1M	80Ar/20CO ₂	≥ 390	≥ 490-670	≥ 22	≥ 47 (-20°)

Sizes available :

Diameter	Weight / Spool
1.0mm (.040")	15kg (33lb)
1.2mm (.045")	15kg (33lb)
1.4mm (.052")	15kg (33lb)
1.6mm (1/16")	15kg (33lb)

Packing : 1 Spool/Aluminium bag shrink-wrapped/Box, then on Pallet (1,080kg).

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