



AWS A5.20 E80T15-M13A5-Ni1

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Description: Flux Cored Arc Welding Wire (FCAW) , is used for welding structures made of carbon steel and low-alloy structural steel with tensile strength higher than or equal to 550MPa. Most widely used for welding some key structures like shipbuilding, mechanical manufacture, pressure vessels, boilers, petroleum machinery, chemical machinery, hoisting machinery etc. Our advantages is stable arc, little spatter, less smoke; higher deposition efficiency; excellent welding performance; easy restrike.

Typical Chemical Composition(%):

	C	Si	Mn	S	P	Ni	—	—	—
Requirement	0.12	0.90	1.50	0.03	0.025	0.8-1.1	—	—	—
Actual Result	0.06	0.50	1.30	0.007	0.010	1.0	—	—	—

Typical Mechanical Properties:

	Tensile Strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact values (J)
Requirement	≥550	≥470	≥24	≥27J(-45℃)
Actual Result	610	540	27	80