

GFC 70

FLUX CORED WIRE

IDENTIFICATION

GFC 70, E70T-1C/M

CLASSIFICATION

AWS/SFA 5.20: E70T-1C/M

EN 758: T46 0 P C 1 H5 ASME- IIC/SFA-5.20-AWS E70T- 1C/M

DESCRIPTION

Rutile flux-cored wire for single or multi-pass welding of carbon, carbon-manganese steels and similar types of steels, including fine grain ones, with CO₂ shielding gas. It gives good weldability in Flat & Horizontal positions, excellent bead appearance, less spatter, a fast freezing and easy to remove slag. Deposited welds arc of radiographic quality.

WELD METAL ANALYSIS (RANGE) %

C	Mn	Si	S	P
0.12 max	1.75 max	0.30 - 0.65	0.030 max	0.030 max

MECHANICAL PROPERTIES (RANGE)

TS (MPa)	YS (MPa)	EL (%) (L=4D)	CVN Impact Value	
			Temp	Joules
490 min	400 min	22 min	-20°C	90

TYPICAL APPLICATIONS

Structural fabrication, Heavy Equipment Off-Shore Platforms, Ship building, Railways Wagons, General Fabrication welding, Bridges, Tanks etc.

UNALLOYED STRUCTURAL STEEL:

St 32, St 37-2 to St 52-3, ASME/ASTM SA-516-Grade 60/65/70. IS 2062 or equivalent.

SHIELDING GAS : CO₂ or 80% Argon + 20% Co₂ (M)

FLOW RATE : 14-20 l/min

PACKING PARAMETERS

Size (mm)	Amps DC (+)	Voltage (V)	Weight / Spool (kg)
1.2	200 - 400	22 - 35	15
1.6	200 - 400	23 - 37	15