



Manufacturers of Custom Welding Lines for Resale
www.selectrode.com

SELECTRODE
7070
Mild Steel MIG Wire

INTERNATIONAL CLASSIFICATIONS

AWS A5.18: ER70S-6

EN ISO 14341-A: G42 3CM G35:1

FEATURES & APPLICATIONS

7070 is a premium mild steel solid wire formulated to provide high quality welds and trouble-free performance from heavy duty, high speed, spray transfer applications all the way to light duty low speed short-arc applications. The product is designed for use with various gas mixtures such as 100% CO₂, 75/25 Ar/CO₂ or 98/2 Ar/O₂. Even in the most difficult applications it produces a smooth stable arc with low spatter, producing a weld bead that ties in evenly with the sides and has a smooth finished appearance.

Typical Applications:

- Widely used in high-speed robotic, automatic and semi-automatic welding applications
- Structural steel, Frame fabrication, automotive structures and pressure vessels
- Farm machinery
- Construction equipment
- General carbon steel fabrication

ALL WELD METAL ANALYSIS (TYPICAL WEIGHT %)

C	Cr	Cu	Mn	Mo	Ni	P	S	Si	V
.08	.02	.16	1.46	.0025	.01	.015	.012	.85	.003

TYPICAL MECHANICAL PROPERTIES (AS WELDED)

Shielding Gas: **CO₂** **75% Ar/25% CO₂** **98% Ar/2% CO₂**

Tensile Strength (PSI):	80-85,000	85-90,000	85-90,000
Yield Strength (PSI):	65-70,000	70-75,000	70-75,000
Elongation % in 2”:	28.5	28%	28%
Charpy V-notch ft. lbs.:	20-30	25-35	30-40

WELDING CURRENT & INSTRUCTIONS

Welding Current: DECP (Electrode Positive, Reverse Polarity)

Welding Positions: All position

Available diameters and suggested Operating Range in Amps:

.035” : 165-300

.045” : 200-375

1/16” : 275-500

3/32” : 300-600