

Flux-Cored Welding Wire

This flux-cored welding wire is designed for various welding applications. It conforms to AWS standards, ensuring high-quality welds.



ADDITIONAL IMAGES



Product Overview



Technical performance data for the flux-cored welding wire.

Flux-Cored Welding Wire Overview

This flux-cored welding wire is designed for all-position welding, including vertical down applications. It features a stable arc with minimal spatter, ensuring smooth weld appearances and easy slag removal. Ideal for low carbon steel and high tensile steel, it is widely used in critical construction sectors such as shipbuilding, bridge building, and structural steel beams.

Technical Specifications

Certifications

ABS

Wire Diameter

0.9 mm

AWS Standard Compliance

AWS A5.20, AWS E71T-1, AWS E71T-11

Grade

E71T-GS

Mechanical Properties

Typical Mechanical Properties

Property	Typical Value	AWS Standard
Tensile Strength	570 Mpa	e480Mpa
Yield Strength	490 Mpa	e400Mpa
Elongation	28%	e22%
Charpy V Impact (-18°C)	90 J	e27J

Chemical Composition

Typical Chemical Composition

Element	Typical (%)	AWS Standard Max (%)
Carbon (C)	0.07	d0.18
Manganese (Mn)	1.25	d1.75
Silicon (Si)	0.36	d0.90
Sulfur (S)	0.01	d0.03
Phosphorus (P)	0.017	d0.03

Usage Guidelines

Usage Instructions

- Strictly control the content of impurities in CO₂ to guarantee purity.
- Recommended CO₂ flow rate is 20-25 L/min during welding.
- Maintain outer wire stick-out length within 15-25mm.