

MT-06 Welding Electrode

The MT-06 welding electrode is designed for welding low carbon steel. It provides a deep penetrating, forceful arc, making it suitable for use in all welding positions, including overhead and vertical.



ADDITIONAL IMAGES



Product Overview

High-Performance Cellulose Electrode

The MT-06 is a high-quality cellulose-type welding electrode specifically engineered for welding low carbon steel. It features a deep-penetrating, forceful arc that ensures consistent performance across all welding positions, including vertical and overhead applications. Designed for multi-layer welding, it produces minimal, easily removable slag and offers excellent mechanical properties, making it an ideal choice for critical infrastructure projects.

Technical Specifications

WELDING ELECTRODE

MT-06 CONFORMS TO AWS E6011

HIGH CELLULOSE ELECTRODE FOR WELDING PIPELINE

Description
 This electrode is designed for use in the manual metal arc (MMA) process for welding low carbon steel and low alloy steel in all positions. It is a high cellulose electrode with a high cellulose content, which provides excellent arc stability and a high penetration weld. The electrode is suitable for use in all positions and is available in various diameters.

Applications
 This electrode is suitable for use in the manual metal arc (MMA) process for welding low carbon steel and low alloy steel in all positions.

Chemical Composition of Weld Metal (%)

Element	Min	Max	Min	Max
C	0.05	0.15	0.05	0.15
Mn	0.30	0.50	0.30	0.50
Si	0.05	0.10	0.05	0.10
S	0.005	0.010	0.005	0.010
P	0.005	0.010	0.005	0.010

Mechanical Properties of Weld Metal

Property	Value
Yield Strength (MPa)	410
Tensile Strength (MPa)	570
Elongation (%)	24
Impact Value (-30°C) (J)	30

Packing: 20kg net cartons. Dimensions: 300mm x 150mm x 100mm. Weight: 20kg. Net weight: 18kg. Gross weight: 20kg.

Technical data sheet detailing chemical composition, mechanical properties, and welding applications.

Chemical Composition

Element	Typical Value (%)
Carbon (C)	0.1
Manganese (Mn)	0.42
Silicon (Si)	0.3
Sulfur (S)	0.017
Phosphorus (P)	0.02

Mechanical Properties

410 MPa
Yield Strength

570 MPa
Tensile Strength

24 %
Elongation

30 J
Impact Value (-30°C)

AWS Standard

E6011

Application & Performance

Suitable Applications

- Carbon steel pipelines
- Shipbuilding
- Bridge construction
- Building structures

Welding Positions

All positions, Overhead, Vertical

Logistics & Packaging

Box Configuration

- 8 boxes x 2.5kg (for 2.5mm electrodes)
- 4 boxes x 5kg (for other sizes)

Standard Packing

20kg net cartons