

# E347H

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Metals And Welding Specialities Supplying to over 40+ countries including USA, Europe, Middle East, Asia.



## Product Overview

Metals And Welding Specialities is a trusted supplier of **E347H Welding Electrodes**, offering premium stainless steel welding consumables for industries that require **excellent high-temperature strength, oxidation resistance, and reliable welding performance**. **E347H** is a **niobium-stabilized austenitic stainless steel electrode** specially developed for welding **347H, 321H, and similar heat-resistant stainless steels** used in elevated temperature applications. It provides **excellent resistance to intergranular corrosion, oxidation, and thermal fatigue**, making it an ideal choice for critical fabrication and maintenance work. Its smooth arc characteristics and superior mechanical properties ensure consistent weld quality in demanding industrial environments.

## Domestic Market Demand

The demand for **E347H Welding Electrodes Manufacturers** is steadily increasing across India as industries continue to expand their high-temperature processing and manufacturing capabilities. Growing investments in power generation, petrochemical processing, steel manufacturing, and heavy engineering have created strong demand for premium stainless steel welding consumables. Industries prefer **E347H** electrodes for applications where **high-temperature performance, corrosion resistance, and long service life** are essential.

## High Demand Across India

The demand for **E347H Welding Electrodes Suppliers** is high in industrial states such as **Maharashtra, Gujarat, Tamil Nadu, Karnataka, Telangana, Andhra Pradesh, Odisha, Chhattisgarh, Rajasthan, and West Bengal**. These states have a strong presence of petrochemical complexes, thermal power plants, steel manufacturing facilities, refineries, and heavy engineering companies that require reliable stainless steel welding consumables. Continuous industrial growth and infrastructure development continue to support the domestic demand for **E347H** welding electrodes.

## Growing Domestic Applications

The Indian market for **E347H Welding Electrodes Exporters** continues to expand as industries require welding consumables capable of performing under high-temperature and corrosive operating conditions. These electrodes are widely used for welding **boilers, heat exchangers, pressure vessels, furnace components, reactors, piping systems, and heat treatment equipment**. Their excellent resistance to oxidation and intergranular corrosion helps improve equipment reliability while minimizing maintenance costs.

## Industry Applications

### Petrochemical Industry

The **Petrochemical Industry** is one of the largest users of **E347H Welding Electrodes Stockists in India**. Processing equipment is regularly exposed to elevated temperatures and corrosive chemicals,

making high-quality welding consumables essential. E347H electrodes are widely used for welding **reactors, reformer tubes, pressure vessels, heat exchangers, and process piping**, providing **excellent resistance to intergranular corrosion** and dependable long-term performance.

### Power Generation Industry

The **Power Generation Industry** has significant demand for **E347H Welding Electrodes Manufacturers in India** due to the need for durable welds in high-temperature service conditions. These electrodes are commonly used in **boilers, superheaters, steam pipelines, heat exchangers, and furnace components** where strength and oxidation resistance are critical. Their superior welding characteristics help improve equipment efficiency, reduce maintenance, and ensure reliable operation in thermal and nuclear power plants.

### Nationwide Distribution

A well-established distribution network ensures the availability of **E347H Welding Electrodes Suppliers** across major industrial cities and manufacturing hubs in India. Ready stock, timely deliveries, and consistent product quality enable manufacturers, fabricators, and maintenance contractors to complete projects efficiently while complying with industry quality standards.

### Supply Opportunities Across India

The continuous growth of India's petrochemical, power generation, steel manufacturing, and heavy engineering sectors has created strong opportunities for **E347H Welding Electrode, Manufacturers, Suppliers, and Stockists**. As industries continue to invest in **high-performance welding solutions** for elevated temperature applications, the domestic demand for E347H welding electrodes is expected to grow steadily in the coming years.

### Equivalent Grade of E347H Welding Electrodes

Class	UNS	Oxford Alloys
E347-16	W34710	Alloy 347-16

### E347H Welding Electrodes Chemical Composition

C	Cr	Ni	Nb+Ta	Mn	Si	P	S	Mo	Cu
0.08	18.0-21.0	9.0-11.0	8xC-1.0	0.5-2.5	1.0	0.04	0.03	0.75	0.75

### E347H Welding Electrodes Parameters

Diameter		Process	Volt	Amps (flat)	Amps (V/OH)
in	(mm)				
3/32	(2.4)	SMAW	24-28	70-85	65-75
1/8	(3.2)	SMAW	26-30	85-110	80-90
5/32	(4.0)	SMAW	28-32	110-140	100-120
3/16	(4.8)	SMAW	28-32	120-160	110-130

## Specification E347H Welding Electrodes

<b>Classification</b>	<b>AWS A5.4, E347-16</b>
<b>Form</b>	Welding Electrode, Welding Rods
<b>Type Of Current</b>	AC-DCEP (Direct Current Electrode Positive)
<b>Welding Position</b>	F, V, OH, H
<b>Size</b>	2.0 mm, 2.50 mm, 3.15 mm, 4.00 mm, 5.0 mm
<b>AC/DC+</b>	AC or DC (+)
<b>JIS Specification</b>	BS 2926 19.9 A R
<b>Other Specification</b>	DIN 8556 E19 9 R 23 A
<b>AWS A5.4, E347H Coated Electrodes Application &amp; uses</b>	Petroleum Chemical plant Power sector Gas Industry Hardware tools Metallurgy Machinery Construction Shipbuilding

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