

Metals And Welding Specialities offers premium quality **ENiCrMo-3 Welding Electrodes** that are designed for welding cast iron components with exceptional performance and reliability. These electrodes are manufactured to meet **ASTM A5.11 ENi-CI** standards and carry the universal designation **UNS W86002**. Known for their outstanding crack resistance, machinability, and strength, these electrodes are widely used in industries that demand durable repair and maintenance of cast iron structures.



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The **ENiCrMo-3 welding electrode** is primarily designed for welding nickel-chromium-molybdenum alloys. Its excellent corrosion resistance makes it suitable for use in aggressive environments where exposure to oxidizing and reducing media is common. This characteristic ensures extended durability and structural safety of the welded joints. The high nickel content provides stability, while the added chromium and molybdenum enhance resistance to pitting, crevice corrosion, and stress-corrosion cracking. Industries such as chemical processing, petrochemicals, power generation, and marine engineering rely heavily on these electrodes for secure and long-lasting welds.



ENiCrMo-3 Welding Electrodes, ENiCrMo-3 Welding Electrodes Manufacturers, ENiCrMo-3 Welding Electrodes Suppliers, ENiCrMo-3 Welding Electrodes Stockists, ENiCrMo-3 Welding Electrodes Exporters

One of the key benefits of the **AWS ENiCrMo-3 electrodes** is their versatility. They are widely used to join alloys such as Inconel 625, Incoloy 825, and other nickel-based alloys. They also work effectively in dissimilar welding, where joining different metals requires stable metallurgical properties and reliable joint strength. These electrodes are often used in applications that involve handling acids, seawater, high-pressure steam, or extreme temperature fluctuations.

Metals And Welding Specialities ensures that each **ENiCrMo-3 coated welding electrode** undergoes strict quality checks, ensuring compliance with ASTM B166 standards and meeting the chemical and mechanical requirements of UNS N06082. Our products stand out due to their ease of use, stable arc, minimal spatter, and smooth finish, which reduce post-weld cleanup and improve efficiency. Welders appreciate the electrodes' ability to maintain excellent bead appearance and uniformity, even under challenging conditions.



ENiCrMo-3 Welding Electrodes in India, ENiCrMo-3 Welding Electrodes Manufacturers in India, ENiCrMo-3 Welding Electrodes Suppliers in India, ENiCrMo-3 Welding Electrodes Stockists in India, ENiCrMo-3 Welding Electrodes Exporters in India

As industries evolve, the demand for reliable, high-performance welding consumables continues to grow. Metals And Welding Specialities supports this need by offering products like the **ENiCrMo-3 welding electrode** that not only meet but exceed industry expectations. With a combination of strength, corrosion resistance, and universal standard compliance, these electrodes prove to be the ideal choice for projects where safety and durability are paramount.

If you are looking for durable and performance-driven **ENiCrMo-3 electrodes**, Metals And Welding Specialities provides the assurance of global standards, dependable supply, and trusted technical support.

### Specification ENiCrMo-3 Welding Electrodes



<b>Classification</b>	<b>AWS A5.11, A5.1, ENiCrMo-3</b>
<b>Form</b>	Welding Electrode, Welding Rods
<b>Type Of Current</b>	Direct Current Electrode Positive (DCEP)
<b>Diameters</b>	3/32", 1/8", 5/32", 3/16" or 2.5mm, Ø 3.2mm, Ø 4.0mm, Ø 5.0mm
<b>Size</b>	2.0mm ∞ 5.0mm
<b>AC/DC+</b>	50-80, 80-110, 100-135, 140-180
<b>Welding Positions</b>	All positions 5/32" & 3/16" recommended for use in flat & horizontal positions only (F, V, OH, H)

## ENiCrMo-3 Coated Electrodes Application & uses

Petroleum  
Chemical plant  
Power sector  
Gas Industry  
Hardware tools  
Metallurgy  
Machinery  
Construction  
Shipbuilding

## Equivalent Grade Of ENiCrMo-3 Welding Electrodes



Class	UNS	Oxford Alloys	Special Metals	BOHLER	UTP	ESAB	SANDVIK
ENiCrMo-3	W86112	Alloy 112	INCONEL 112	BOHLER FOX NIBAS 625 / THERMANIT 625	UTP 6222 MO	OK NICRMO-3	EXATON NICRMO-3 / SANICRO 60 / EXATON NI 60

## ENiCrMo-3 Welding Electrodes Chemical Composition



C	Mn	Fe	P	S	Si	Cu	Ni	Al	Ti	Cr	Nb+Ta	Mo	Other
0.1	0.5	5.0	0.02	0.015	0.5	0.5	58	0.4	0.4	20.0-23.0	3.15-4.15	8.0-10.0	0.5

## ENiCrMo-3 Welding Electrodes Parameters



Diameter		Process	Volt	Amps (flat)	Amps (V/OH)
in	(mm)				
.035	(0.9)	GMAW	26-29	150-190	Spray Transfer 100% Argon
.045	(1.2)	GMAW	28-32	180-220	Spray Transfer 100% Argon
1/16	(1.6)	GMAW	29-33	200-250	Spray Transfer 100% Argon
1/16	(1.6)	GTAW	14-18	90-130	100% Argon
3/32	(2.4)	GTAW	15-20	120-175	100% Argon
1/8	(3.2)	GTAW	15-20	150-220	100% Argon

People Also Searched

AWS Class ENiCrMo-3, ENiCrMo-3 welding electrode, ENiCrMo-3 electrode suppliers, ENiCrMo-3 electrode price, ENiCrMo-3 filler metal, ENiCrMo-3 nickel alloy electrode, ENiCrMo-3 chemical composition, ENiCrMo-3 mechanical properties, UNS N06082 electrode, UNS N06082 welding rod, UNS N06082 filler metal, UNS N06082 electrode suppliers, ASTM B166 electrode, ASTM B166 ENiCrMo-3, ASTM B166 UNS N06082, ASTM B166 welding electrode, ENiCrMo-3 welding rod distributors, ENiCrMo-3 weld consumables, Inconel 625 electrode, Incoloy 825 electrode, nickel alloy welding electrodes, nickel chromium molybdenum electrode, high corrosion resistant electrodes, marine welding electrodes, chemical industry welding electrodes, petrochemical welding electrodes, power generation welding electrodes, dissimilar metal welding electrodes, heat resistant electrodes, pitting resistant welding electrode, crevice corrosion resistant electrode, stress corrosion cracking resistant electrode, Metals And Welding Specialities ENiCrMo-3 electrodes, AWS ENiCrMo-3 standard electrode, ASTM ENiCrMo-3 welding electrode, UNS N06082 coated electrode.