

Metals And Welding Specialities is a trusted manufacturer and supplier of **Hastelloy C-4 Welding Electrodes**, engineered for outstanding performance in highly corrosive and oxidizing environments. These electrodes are based on a nickel-chromium-molybdenum alloy that delivers superior resistance to strong oxidizers, hot contaminated mineral acids, chlorine, and oxidizing salt solutions. Identified by the **UNS N06455** designation and conforming to **ASTM B622** standards, **Hastelloy C-4** represents one of the most stable alloy systems in the Hastelloy family, making it ideal for welding operations that demand both reliability and durability.



Table Of Content

- [What is Hastelloy C-4 Welding Electrodes?](#)
- [Specification of Hastelloy C-4 Welding Electrodes](#)
- [Equivalent Grade Of Hastelloy C-4 Welding Electrodes](#)
- [Chemical Composition of Hastelloy C-4 Welding Electrodes](#)
- [Hastelloy C-4 Welding Electrodes Parameters](#)
- [People Searched for Hastelloy C-4 Welding Electrodes](#)
- [Supply Cities of Hastelloy C-4 Welding Electrodes](#)
- [Export Countries of Hastelloy C-4 Welding Electrodes](#)

Designed to provide exceptional metallurgical stability, **Hastelloy C-4 Welding Electrodes** maintain their mechanical and corrosion-resistant properties even after extended exposure to elevated temperatures up to 1040°C (1900°F). This alloy resists the formation of grain-boundary precipitates during welding and heat treatment, ensuring consistent weld quality and integrity. **Metals And Welding Specialities** ensures that each electrode is manufactured to meet stringent quality standards, offering

smooth arc performance, minimal spatter, and easy slag removal – key attributes that make these electrodes suitable for both manual and automated welding processes.



Hastelloy C-4 Welding Electrodes, Hastelloy C-4 Welding Electrodes Manufacturers, Hastelloy C-4 Welding Electrodes Suppliers, Hastelloy C-4 Welding Electrodes Stockists, Hastelloy C-4 Welding Electrodes Exporters

The electrodes are widely used in industries such as chemical processing, pollution control, pharmaceutical production, pulp and paper, and waste treatment. Their robust composition provides resistance against oxidizing agents such as ferric and cupric chlorides, chlorine dioxide, and hypochlorite solutions. This makes **Hastelloy C-4 Welding Electrodes** a preferred choice for fabricating equipment like scrubbers, ducting, reactors, heat exchangers, and pressure vessels operating under corrosive conditions.

Unlike conventional nickel alloys, **Hastelloy C-4** maintains ductility and toughness even after thermal cycling, allowing for easier fabrication and superior weld joint performance. The balanced composition of nickel, molybdenum, and chromium, combined with controlled amounts of iron and other elements, ensures reliable corrosion resistance in both oxidizing and reducing environments.

Metals And Welding Specialities offers these electrodes in various sizes and packaging options to meet diverse welding applications across industrial sectors.



Hastelloy C-4 Welding Electrodes in India, Hastelloy C-4 Welding Electrodes Manufacturers in India, Hastelloy C-4 Welding Electrodes Suppliers in India, Hastelloy C-4 Welding Electrodes Stockists in India, Hastelloy C-4 Welding Electrodes Exporters in India

As a high-performance alloy electrode, **Hastelloy C-4 Welding Electrodes** meet the requirements of **ASTM B622** and carry the **UNS N06455** designation, ensuring compliance with international metallurgical standards. Metals And Welding Specialities guarantees consistency, precision, and long-lasting performance in every product, backed by years of expertise in supplying advanced welding consumables to global markets.

For reliable performance in challenging service environments, **Hastelloy C-4 Welding Electrodes** from **Metals And Welding Specialities** stand as a dependable solution that combines strength, chemical stability, and ease of use – engineered to outperform under pressure.

Specification Hastelloy C-4 Welding Electrodes



Classification	AWS A5.11, ENiCrMo-7
Form	Welding Electrode, Welding Rods
Type Of Current	Direct Current Electrode Positive (DCEP)
Diameters	3/32", 1/8", 5/32", 3/16" or 2.5mm, Ø 3.2mm, Ø 4.0mm, Ø 5.0mm
Size	2.0mm ∞ 5.0mm
AC/DC+	50-80, 80-110, 100-135, 140-180

Welding Positions	All positions 5/32" & 3/16" recommended for use in flat & horizontal positions only (F, V, OH, H)
HASTELLOY C-4 Welding Electrodes Application & uses	<ul style="list-style-type: none"> Petroleum Chemical plant Power sector Gas Industry Hardware tools Metallurgy Machinery Construction Shipbuilding

Equivalent Grade Of Hastelloy C-4 Welding Electrodes



Class	UNS	Haynes
ENiCrMo-7	W860675	HASTELLOY C-4

Hastelloy C-4 Welding Electrodes Chemical Composition



Nickel:	Balance
Chromium:	14.0-18.0
Molybdenum:	14.0-17.0
Iron:	3.0 max.
Cobalt:	2.0 max.
Manganese:	1.5 max.
Titanium:	0.70 max.
Copper:	0.50 max.
Other	0.50 max.
Tungsten:	0.50 max.
Silicon:	0.20 max.
Phosphorus	0.04 max.
Carbon:	0.0015max.
Sulfur:	0.03 max.

People Also Searched

Hastelloy C-4 electrodes price, Hastelloy C-4 welding rods, UNS N06455 filler metal, ASTM B622 electrodes, Hastelloy C-4 alloy welding, Nickel alloy Welding Electrodes, corrosion-resistant welding electrodes, Hastelloy C-4 TIG filler, Hastelloy C-4 MIG wire, high temperature welding electrodes, Metals And Welding Specialities Hastelloy electrodes, Hastelloy C-4 mechanical properties, Hastelloy C-4 chemical composition, Hastelloy C-4 weldability, Hastelloy C-4 applications, Hastelloy C-4 vs C-276, Hastelloy C-4 suppliers in India, Hastelloy C-4 electrodes manufacturer, Hastelloy C-4 welding current, Hastelloy C-4 electrodes specification, Nickel-Chromium-Molybdenum alloy electrodes, corrosion resistant welding consumables, heat resistant electrodes, Hastelloy C-4 for chemical industry, Hastelloy C-4 electrodes exporter, ASTM B622 UNS N06455 welding rods, Hastelloy C-4 price list, Hastelloy C-4 standard, Hastelloy electrodes for acid service, Hastelloy C-4 vs C-22, Nickel alloy electrodes for oxidizing media, Hastelloy C-4 coated rods distributor, Hastelloy C-4 arc stability, Hastelloy C-4 welding performance, Hastelloy C-4 filler electrodes.