

ChromCarb N 6006 Welding Electrodes from **Metals And Welding Specialities** are premium-quality nickel-based electrodes designed to deliver exceptional performance in joining and overlay applications that demand superior resistance to heat, corrosion, and oxidation. Engineered with precision, these electrodes are formulated to meet the stringent requirements of high-temperature and chemical process industries. Manufactured in compliance with **ASTM A494 Grade N06006** and identified by the **UNS N06006** standard, ChromCarb N 6006 ensures consistency, strength, and long-term reliability in the most demanding welding environments.

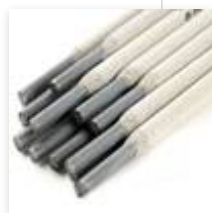


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Developed using advanced metallurgical techniques, **ChromCarb N 6006** electrodes exhibit excellent weldability and produce a stable arc with minimal spatter. The specially formulated flux coating enhances slag removal and provides superior bead appearance, ensuring smooth, defect-free welds. These electrodes are ideally suited for welding nickel-chromium-iron alloys, offering excellent metallurgical bonding and maintaining mechanical integrity even under cyclic thermal conditions. The weld

deposit retains high tensile strength and ductility, making it ideal for use in components exposed to severe oxidizing and carburizing atmospheres.



ChromCarb N 6006 Welding Electrodes, ChromCarb N 6006 Welding Electrodes Manufacturers, ChromCarb N 6006 Welding Electrodes Suppliers, ChromCarb N 6006 Welding Electrodes Stockists, ChromCarb N 6006 Welding Electrodes Exporters

The **UNS N06006** alloy composition provides excellent resistance to oxidation up to 1200°C (2200°F) and offers outstanding protection against corrosion from hot gases, sulfur compounds, and chloride-bearing environments. As a result, **ChromCarb N 6006 Welding Electrodes** are widely used for applications in petrochemical plants, furnace hardware, heat treatment fixtures, gas turbines, and industrial boilers. Their versatility and performance make them a trusted choice among professionals working in industries where material longevity and stability are critical.

At **Metals And Welding Specialities**, we ensure every batch of ChromCarb N 6006 electrodes undergoes stringent quality inspection to meet international standards. The electrodes are produced with tight control over core wire purity and coating composition to achieve consistent mechanical and metallurgical properties. The product conforms to the **Universal Standard Name: Nickel-Chromium Alloy N06006**, reflecting its global acceptance and recognition for reliability and high performance.



ChromCarb N 6006 Welding Electrodes in India, ChromCarb N 6006 Welding Electrodes Manufacturers in India, ChromCarb N 6006 Welding Electrodes Suppliers in India, ChromCarb N 6006 Welding Electrodes Stockists in India, ChromCarb N 6006 Welding Electrodes Exporters in India

These electrodes can be used in both AC and DC polarities, offering excellent arc stability across all positions. The controlled heat input minimizes dilution and distortion, resulting in welds that exhibit exceptional corrosion and scale resistance. Whether for fabrication or repair welding, **ChromCarb N 6006** ensures consistent deposition characteristics and long service life under high-stress operating conditions.

Metals And Welding Specialities has established itself as a reliable manufacturer and supplier of industrial welding consumables, delivering unmatched quality and customer satisfaction. Our commitment to technical excellence and innovation is reflected in every product, making ChromCarb N 6006 the ideal choice for professionals seeking high-performance welding electrodes built for durability, precision, and superior metallurgical results.

Specification ChromCarb N 6006 Welding Electrodes



Product	ChromCarb N 6006 Coated Electrode
Type	Chromium-carbide bearing hardfacing electrode
Primary Use	Overlay / protection of carbon, low-alloy and manganese steels against abrasion, erosion and moderate impact
Typical Applications	Muller tires, dredger parts, bucket arms, pug mill paddles, augers, screw conveyors, scrapers, impellers, wear pads
Carbide Hardness (typical)	~1200 VPN (Cr7C3)

Hardness (as-deposited)	57–60 HRC (single layer); multi-layer reports up to ~55–61 HRC
Current & Polarity	DCEP (+) or AC
Available Diameters	1/8" (3.2 mm), 5/32" (4.0 mm), 3/16" (4.8 mm) – (also common metric sizes 3.15, 4.00, 5.00 mm)
Recommended Amperage	1/8" (3.2 mm): 90–130 A 5/32" (4.0 mm): 120–160 A 3/16" (4.8 mm): 150–210 A (alternative ranges often listed for 3.15 / 4.00 / 5.00 mm: see manufacturer data)
Arc / Welding Characteristics	Medium arc; smooth, ripple-free deposits; good weldability – avoid excessive weaving ($\leq 2\times$ electrode diameter)
Technique / Preheat	Clean to bright metal. Nominal preheat $\sim 150^{\circ}\text{F}$ (65°C) for parts $<40^{\circ}\text{F}$ or $>1"$ thick; higher preheat for high-carbon steels. Use buffer layer on high-hardenability bases.
Packing / Typical Weight	Commonly supplied in 11 lb (≈ 5 kg) coils/boxes or similar packaged weights (varies by supplier)

ChromCarb N 6006 Welding Electrodes Parameters



Parameter	Specification
Product Name	ChromCarb N 6006 Welding Electrodes
Classification	High-chromium, carbon-bearing coated electrode
Coating Type	Rutile/Cellulosic blend (flux-coated)
Available Diameters	2.5 mm, 3.2 mm, 4.0 mm
Recommended Current Type	AC or DC+ (DC electrode positive)
Current Range (2.5 mm)	60–90 A
Current Range (3.2 mm)	90–140 A
Current Range (4.0 mm)	140–200 A
Welding Positions	Flat, horizontal, vertical-up, overhead
Typical Deposition Efficiency	~ 70 – 85%
As-Deposited Tensile Strength	~ 500 – 650 MPa
Hardness (as-welded)	~ 200 – 320 HV
Typical Applications	Wear-resistant overlays, repair of high-chrome components, hardfacing
Storage	Keep dry; store in a sealed container at 0 – 30°C
Packing	20 kg cartons (typical)

People Also Searched

E7018 welding rod, AWS E7018 electrode, UNS J6710 electrode, low hydrogen welding rod, structural steel electrode XHD 6710, coated welding electrode, XHD 6710 welding consumable, weld rod J6710, E7018 equivalent electrode, low hydrogen stick

electrode, welding electrode 70,000 psi, weld electrode for carbon steel, moisture resistant welding rod, coated arc welding electrode, XHD-6710 product, Metals And Welding Specialities electrode, XHD 6710 weld rod, structural fabrication rod, universal standard name weldrod 6710, ASTM grade E7018 rod, low hydrogen stick welder rod, weld consumables supplier, E7018 low hydrogen rod, rod conforming to UNS J6710, welding rod catalog XHD 6710, XHD 6710 electrode technical data, arc stability welding rod, flux coated electrode XHD 6710, welding consumable E7018, structural welding consumable, high strength weld rod.