ChromCarb N6006

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 **Chromcarb N6006 Welding Wire**, offering premium welding consumables for industries that require **excellent wear resistance, impact strength, and reliable welding performance**. **Chromcarb N6006** is a high-performance hardfacing welding wire specially designed for applications exposed to severe abrasion, moderate impact, and metal-to-metal wear. It produces a durable weld deposit with excellent hardness, making it suitable for rebuilding worn components and extending equipment service life. Its smooth arc characteristics and consistent weld quality make it an ideal choice for repair, maintenance, and hardfacing applications.

Domestic Market Demand

The demand for **Chromcarb N6006 TIG Welding Wire Manufacturers** is steadily increasing across India as industries focus on reducing equipment wear and maintenance costs. Growing investments in mining, cement production, steel manufacturing, and heavy engineering have created strong demand for high-quality hardfacing welding consumables. Industries prefer Chromcarb N6006 for its ability to improve component life, reduce downtime, and deliver reliable performance in abrasive working environments.

High Demand Across India

The demand for **Chromcarb N6006 MIG Welding Wire Suppliers** is high in industrial states such as **Maharashtra, Gujarat, Chhattisgarh, Odisha, Jharkhand, Karnataka, Tamil Nadu, Andhra Pradesh, Telangana, and Rajasthan**. These regions have a strong presence of mining operations, cement plants, steel industries, and heavy engineering companies that require wear-resistant welding solutions. Continuous industrial expansion and infrastructure development are driving the growing adoption of Chromcarb N6006 welding wire across the country.

Growing Domestic Applications

The Indian market for **Chromcarb N6006 TIG Welding Wire Stockists** continues to expand as industries seek cost-effective solutions to protect equipment from excessive wear. It is widely used for hardfacing **crusher hammers, conveyor screws, excavator buckets, rollers, mixer blades, chutes, crushers, and earthmoving equipment**. Its excellent wear resistance and durable weld deposits help improve equipment reliability while minimizing maintenance and replacement costs.

Industry Applications

Mining Industry

The **Mining Industry** is one of the largest users of **Chromcarb N6006 MIG Welding Wire Manufacturers** in India. Mining equipment is continuously exposed to abrasive minerals, rocks, and heavy impact, leading to rapid wear of critical components. Chromcarb N6006 is widely used for hardfacing **crusher parts, excavator buckets, dragline components, conveyor systems, and**

screening equipment, providing **excellent wear resistance** and extending the service life of expensive machinery.

Cement Industry

The **Cement Industry** has significant demand for **Chromcarb N6006 MIG Welding Wire Stockists** due to the constant abrasion experienced by production equipment. It is commonly used for rebuilding and hardfacing **vertical roller mills, crusher rolls, clinker breakers, fan blades, screw conveyors, and grinding components**. Its high hardness and wear-resistant properties help reduce downtime, improve productivity, and lower maintenance expenses in cement manufacturing plants.

Nationwide Distribution

A strong distribution network ensures the availability of **Chromcarb N6006** across major industrial cities and manufacturing hubs in India. Ready stock, timely deliveries, and consistent product quality help manufacturers, maintenance contractors, and fabrication companies' complete projects efficiently while maintaining high welding standards.

Supply Opportunities Across India

The rapid growth of India's mining, cement, steel, and heavy engineering sectors has created strong opportunities for **Chromcarb N6006 MIG & TIG Welding Wire, Manufacturers, Suppliers**, and **Stockists**. As industries continue to invest in **high-performance hardfacing solutions** and wear-resistant welding consumables, the domestic demand for Chromcarb N6006 welding wire is expected to grow steadily in the coming years.

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 (≤ 2× electrode diameter)
Technique / Preheat	Clean to bright metal. Nominal preheat ~150°F (65°C) for parts <40°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)

Address: **Metals And Welding Specialities - Shop No 5/6 Ground Floor Plot-11,Vallabh Bhuvan,1st Dubhash Lane, Girgaon, Mumbai-400004**
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