

IS 9997 : 2023 Aluminium alloy redraw rods for electrical purposes - Specification

Aluminium Alloy Redraw Rods for Electrical Purposes are specially designed rods made from high-quality aluminum alloys, primarily used in the manufacturing of electrical cables, conductors, and wires. These rods are produced through a process called "redrawing," where large diameter aluminium rods are drawn down into smaller diameters, making them suitable for further processing into electrical conductors.

Aluminium alloy redraw rods are an essential material for the electrical industry, offering a combination of high conductivity, strength, lightweight properties, and cost-effectiveness. When purchasing these rods, it's important to consider the alloy grade, mechanical and electrical properties, surface quality, and compliance with industry standards to ensure that the final product meets the required specifications for electrical applications.

When purchasing Aluminium Alloy Redraw Rods for Electrical Purposes, a consumer must carefully consider the **alloy grade, mechanical properties, electrical conductivity, surface quality**, and the specific requirements of their application. Selecting the right material ensures optimal performance in the final product, whether it's electrical cables, wires, or power transmission conductors. Additionally, evaluating factors like price, lead time, and sustainability practices will ensure the purchase aligns with both operational and long-term project goals.

The Indian Standard IS 9997 : 2023 specifies **material requirements, manufacture requirements, performance requirements and testing methods** for the reinforced and unreinforced precast concrete covers used for covering cables.