

**IS 5484 : 2023 EC GRADE ALUMINIUM ROD PRODUCED BY CONTINUOUS CASTING AND ROLLING  
— SPECIFICATION**

IS 5484:2023 lays down the requirements for EC Grade redraw Aluminium Rods produced by continuous casting and rolling for further fabrication by drawing into wire for electrical purposes. It covers the requirements of rods with diameters from 6.5 mm to 15 mm, intended for electrical conductors, cables and winding wires. IS mandates the use of primary aluminium grades as per IS 4026 as input material, with a required filtration process (of hot metal) before rolling.

Standard mandates that grades and Chemical compositions shall be as per IS 4026. Tensile strength limits, resistivity /conductivity requirements at 20 °C are specified according to temper designations ranging from H12 to H26. Additionally, the rods must be commercially clean and free from defects & should be supplied in coil form, free from joints, and shall meet dimensional tolerances.