

## **Summary of IS 5082: 1998**

### **Specification for Wrought Aluminium and Aluminium Alloy Bars, Rods, Tubes, Sections, Plates and Sheets for Electrical applications**

This Standard specifies requirements for Wrought Aluminium and Aluminium Alloy Bars, Rods, Tubes, Sections, Plates and sheets for electrical applications, prescribing their chemical composition, mechanical properties and electrical resistivity/Conductivity. This standard is applicable to extruded bars and rods above 6mm diameter; extruded angles, channels, other sections and profiles including tubes, hollow sections of thickness, 3mm and above. This standard is also applicable to rolled plates, Sheets of 3mm and above thickness.

This Standard covers 2 grades 19501 and 63401 in various temper designations based on Chemical composition, Mechanical and Electrical properties. Freedom from defects, Mechanical tests including Tensile test and Bend test, Electrical Resistivity/Conductivity, Dimensional tolerances are the tests carried out on the product.

The material shall be properly and acquittal bundled, Crated or otherwise packaged to protect it against injury in ordinary handling and transportation.