

IS 13713:2021 Plastic Chairs for General Purposes — Specification

Plastic chairs have become an integral part of modern life, found in homes, offices, schools, parks, and public spaces around the world. Their widespread use is evidence of their practicality, affordability, and versatility. The mechanical properties of plastic materials differ widely and this can be improved by the use of additives to make it suitable for furniture manufacturer.

IS 13713 specifies materials, dimensions, methods of test and acceptance criteria for chairs made of plastic materials in combination with steel tubes or as one-piece plastic molded chairs. The plastic chairs shall be made of filled and unfilled reinforced thermoplastic and thermosetting plastics. The material used shall be virgin material. In case of chairs made of thermoplastic, the manufacturer may use not more than 5 percent of his own reworked material.

To ensure quality for their desired use, the standard specifies various tests including Strength test, Stability test, Free fall drop test, Vibration test and Rigidity test.