



## **IS 6721: 2023; SANDAL AND SLIPPERS SPECIFICATION**

Sandal and Slippers are open type of footwear widely used. Sandals are open type of footwear having an upper part not covering the entire foot and which has a back strap whereas slippers are open type of footwear having an upper part not covering the entire foot and which do not have a back strap but may have a back support.

This standard prescribes characteristics, requirements and methods of sampling and test for all varieties of sandals and slippers whether fully moulded or assembled.

This standard also incorporates the aspects of shape and design, Size and Fittings, Construction and raw material for manufacture of Sandal and Slippers.

The Sandal and Slippers are often made up of any type of natural or synthetic material or combinations thereof that are resilient, durable, and flexible.

To meet Consumers expectation, high-quality Sandals and Slippers exhibit parameters such as durability, comfort, Safety, and lightweight design.

Key quality attributes include Bond strength, attachment strength, Hydrolysis resistance, Heel pull off strength, Slip resistance, Abrasion resistance, Flexing resistance. Detailed requirements have been prescribed in the Standard for physical tests as well as specific chemical requirements for materials.

- Bond strength in slippers and sandals evaluates the adhesion between different components of the footwear, while abrasion resistance and flexing resistance assess durability and resilience under repeated wear and bending.
- Additionally, Hydrolysis resistance in slippers and sandals evaluates the ability of materials, especially polyurethane (PU) soles, to withstand degradation caused by prolonged exposure to moisture.
- Attachment strength in slippers and sandals evaluates the force required to detach functional components, such as straps, buckles, toe posts, elastic parts, or back straps, from the main body of the footwear.
- Slip resistance in slippers and sandals evaluates the footwear's ability to maintain grip and prevent slipping on various surfaces under different conditions. This parameter is crucial for ensuring user safety, especially on wet, oily, or smooth surfaces.

The IS 6721: 2023 standard specifies these quality expectations through rigorous testing methods and specifications for both materials and construction.

These specifications ensure Sandals and Slippers meet consumer demands for quality, durability, and safety, with BIS certification serving as a mark of compliance and reliability.