



**IS 17479:2023**

## **Textile Floor Covering - Carpet Tiles Made of Synthetic Yarn Specification**

The **carpet tile** is a composite material composed of a textile surface bonded to a tile backing. Carpet tiles are widely used as **home furnishing material** due to its high end of stability, durability and versatility than that of the usual carpets. It is easy to install, maintain and easy to replace individual tiles. Carpet tiles are generally lower pile, so they trap less dirt and debris. It finds its application as a **flooring option** for complexes, halls and commercial environments.

When it comes to Carpet tile, a consumer expects **ease of installation, durability** so that tiles to withstand heavy foot traffic and wear over time without losing their appearance or functionality., **colour fastness** so that the tiles should maintain their color even after exposure to light, cleaning agents, and general use , **safety** i.e.the tiles should maintain their color even after exposure to light, cleaning agents, and general use.

This standard ensures that carpet tiles made from **nylon yarn** meet specific quality and performance criteria. The **standard specifies** about the manufacturing of the carpet tile, **type of yarn** to be used etc and mentions about various tests **delamination force** etc to ensure durability. It includes detailed tests for **color fastness** to light, washing, and rubbing, ensuring that the tiles maintain their color even after exposure to various conditions. It includes safety requirements such as **fire resistance** and **low emission of harmful chemicals**, ensuring that the carpet tiles are safe for indoor use.

By adhering to this standard, manufacturers can provide consumers with reliable and high-quality carpet tiles for their homes and commercial spaces.