

Summary

IS 2653 : 2004 - Safety Matches in Boxes – Specification

The Indian Standard IS 2653, developed by the Bureau of Indian Standards (BIS), sets forth comprehensive guidelines for the production and packaging of safety matches in boxes. It serves as an essential benchmark for quality and safety within the Indian match industry, ensuring consistent standards that enhance user safety and confidence in the product.

This standard covers all essential specifications for safety matches, including the chemical composition of the match head, friction surface, and matchbox materials. The match head formula requires a precise blend of chemicals that ignite upon striking without risk of self-ignition, thus safeguarding consumers from unintended fires. The friction strip, meanwhile, is manufactured to specific roughness and grit levels, ensuring that ignition occurs only when intentionally struck and does not ignite from accidental contact or temperature changes.

This standard also details the physical attributes of matchsticks and boxes, including dimensions, weight, and quality of materials used. The matchsticks must be uniformly sized, with the wood or cardboard substrate resistant to bending or breaking, while matchboxes should be made of robust, moisture-resistant materials to protect matches during storage and transport. Packaging specifications call for appropriate labeling with necessary safety warnings, batch identification, and manufacturer details, reinforcing user safety and product traceability.

In addition, the standard promotes environmental responsibility by encouraging the use of recyclable and sustainable materials wherever feasible. Compliance with IS 2653 benefits manufacturers by ensuring quality and consumer trust, while users are assured of reliable and safe products. By setting a high-quality benchmark, this standard supports the growth of the Indian match industry, promotes consumer safety, and aligns with sustainable practices.