

## **IS 5460:2022 – Specification for Soft Balls**

The Indian Standard IS 5460:2022 provides comprehensive specifications for soft balls, focusing on their quality, safety, and performance. These guidelines are essential to ensure consistency across manufacturing and to enhance user safety and satisfaction. Soft balls are widely used in various recreational and educational settings, and IS 5460:2022 aims to regulate their characteristics to meet consumer expectations while minimizing health and safety risks.

Key specifications in IS 5460:2022 include material composition, construction, and performance requirements. The standard mandates that materials used in soft balls should be non-toxic, durable, and free from harmful substances like lead, phthalates, and other chemicals that pose health risks, especially when the balls are intended for use by children. The standard also requires that soft balls be free from sharp edges, seams, or protrusions that could cause injury during use.

In terms of physical properties, IS 5460:2022 defines acceptable dimensions, weight ranges, and compressive strength to ensure the balls are soft enough to avoid injury but resilient enough to withstand regular use. This includes guidelines on the outer cover's texture and flexibility, which should provide a comfortable grip without compromising the ball's structural integrity.

The standard also emphasizes quality control measures, with specific testing and sampling procedures to verify that each batch of soft balls meets the required specifications. Tests include assessments of impact resistance, deformation under pressure, and durability over time, ensuring that the balls can endure typical wear and tear while maintaining their shape and function.

Packaging and labeling requirements are also detailed, ensuring that each soft ball product is clearly labeled with relevant information, such as the manufacturer's details, age recommendations, and safety warnings. By adhering to IS 5460:2022, manufacturers can produce safe, high-quality soft balls suitable for a range of recreational and educational purposes, aligning with international safety standards and consumer protection requirements.

- ❖ To verify the CM/L number marked on the product, download the BIS CARE app from the Play Store.
- ❖ You may explore further by downloading the standard for free from <https://standardsbis.bsbedge.com/>.