

IS 5460:2022 – Specification for Soft Balls

IS 5460 : 2022 defines the requirements for soft balls used in various sports and recreational activities, focusing on safety, performance, and material quality. This standard sets forth specifications on the size, shape, mass, and surface characteristics to ensure consistency, durability, and safety during play. Key parameters include the soft ball's diameter, weight, rebound characteristics, and permissible variations in these measurements to maintain reliability in performance and minimize the risk of injury.

The standard outlines materials that are safe, durable, and suitable for diverse playing environments, emphasizing non-toxic components to ensure safety, particularly for children and youth. Additionally, IS 5460 : 2022 details requirements for the ball's outer covering, which must be robust and maintain structural integrity even after repeated impacts. The standard specifies testing methods for assessing parameters like compression, rebound resilience, and durability under various environmental conditions, ensuring the soft ball's usability and longevity.

By adhering to IS 5460 : 2022, manufacturers can ensure that soft balls meet consistent quality and safety criteria, aligning with regulatory norms and consumer expectations. This standard provides a reliable framework for the design and manufacture of soft balls, supporting safer and more enjoyable recreational experiences across age groups and activities.