

Summary of IS 3450:2022 - Carbon Papers for Handwriting

Definition of the Product:

IS 3450:2022 is the official Indian Standard that outlines specifications for carbon papers specifically designed for handwriting applications. These carbon papers are essential for creating accurate carbon copies using pencils or pens and are available in various colors, including black, blue, and purple. The standard classifies these carbon papers into three distinct grades: Grade A (single side pencil carbon), Grade B (double side pencil carbon), and Grade C (single side pen carbon).

Quality Parameters Expected by Consumers:

Consumers expect high-quality carbon papers that deliver consistent performance and reliability. Key quality parameters include waterproofness to prevent ink smudging, clarity of carbon work for legible copies, durability to withstand multiple uses without tearing, and resistance to curling to ensure flatness during use. Additionally, consumers seek a smooth and uniform coating that does not stain or offset onto other sheets, as well as a long shelf life free from fungal growth.

How the Standard Addresses These Expectations:

IS 3450:2022 effectively addresses consumer expectations by establishing stringent quality requirements for carbon papers. The standard specifies detailed criteria for essential physical properties, including the substance of base paper, coating mass, and durability of impressions. It mandates rigorous testing methods to validate these characteristics, ensuring that the products meet high safety and performance benchmarks. The standard emphasizes proper manufacturing practices and packaging requirements to maintain product integrity. By providing clear guidelines for sampling and conformity assessment, IS 3450:2022 ensures that manufacturers produce carbon papers that not only comply with regulatory standards but also instill confidence in consumers regarding their effectiveness and reliability for handwriting applications.