

IS 1848 (Part 1) : 2018 Product Definition

This standard covers the quality and specifications for multiple types of writing and printing papers, including account book paper, azure laid, bond, cream laid, cream wove, and various printing types (white, colored, offset, maplitho, white super calendered, and typewriting paper). The document outlines both physical and chemical properties required for these paper types, ensuring uniformity and usability for specific applications.

Quality Parameters Expected by Consumers

Consumers expect writing and printing papers to have:

Uniform Texture and Smoothness: Papers should be free from blemishes such as specks and holes.

Thickness Consistency: A stable thickness for clear and even printing or writing.

Opacity and Brightness: High opacity to avoid show-through of printed or written content and adequate brightness for legibility.

Tensile Strength and Tear Resistance: Durability to withstand handling and avoid tearing.

Environmental Friendliness: Eco-conscious consumers look for sustainable products made from recycled materials or non-wood sources.

How the Standard Addresses These Expectations

The Indian Standard IS 1848 (Part 1) addresses these quality expectations by specifying:

Material Composition: Papers are made from no more than 15% mechanical pulp, which enhances durability and print quality.

Physical Properties: Criteria for parameters like opacity (minimum of 85%), brightness (80% for white paper), and surface smoothness are provided to meet user expectations of quality.

Tensile and Tear Strength: Specific tensile and tear indices are established for durability under various handling conditions.

Eco-Mark Criteria: To qualify for the ECO-Mark, the paper must meet additional environmental requirements, including the use of recycled or alternative fibers, demonstrating BIS's commitment to sustainable practices.

Packing and Marking: Packaging should protect against environmental damage, and each package must clearly indicate specifications like weight, size, and manufacturing date to inform consumers accurately.

This standard thus ensures the final product aligns with consumer expectations for both quality and environmental responsibility.