

(PREVIEW)

IS : 4006(Part 1) – 1985

Indian Standard

METHODS OF TEST FOR PAPER AND PULP BASED PACKAGING MATERIALS, PART 1

(First Revision)

1. SCOPE

1.1 This standard prescribes methods for the following tests for paper and pulp-based packaging materials:

- a) Flexural resistance and deflection;
- b) Waterproofness;
- c) Water penetration;
- d) Grease resistance;
- e) Abrasion loss;
- f) Blocking resistance;
- g) Compression resistance;
- h) Rigidity, stiffness and softness; and
- j) Air permeance,

FOREWORD

0.1 This Indian Standard was adopted by the Indian Standards Institution on 30 July 1985, after the draft finalized by the Paper and Pulp Based Packaging Materials Sectional Committee had been approved by the Chemical Division Council.

0.2 The packagings should be adequate to protect the contents from several hazards like the vagaries of climate, rough handling and indifferent transport methods and the system of marketing and storage.

0.3 The packaging materials as are used in the industry are many and varied. They are paper and paper products, textiles, metal and metal foils, plastics and a variety of laminates, wood, glass and ceramics, cushioning materials, strapping and hooping materials, nails, etc. Among these, paper and paper-products are of major importance.

0.4 This standard was originally published in 1966. It has been revised in the light of latest technological developments. In the revised standard, compression resistance (ring crush test) and air permeance test have been aligned with international methods of testing. An alternate test method by Taber stiffness tester for the measurement of rigidity, stiffness and softness has been prescribed.

0.5 In reporting the result of a test or analysis made in accordance with this standard, if the final value, observed or calculated, is to be rounded off, it shall be done in accordance with IS : 2-1960*.