

# ISO 11556 :2005-06 (E)

## Paper and board\_ - Determination of curl using a single vertically suspended test piece

---

### Contents

Page

Foreword.....	iv
Introduction .....	v
1 Scope .....	1
2 Normative references .....	1
3 Terms and definitions.....	1
4 Principle.....	2
5 Apparatus .....	3
6 Sampling.....	3
7 Preparation of test pieces.....	3
8 Procedure .....	3
8.1 General information.....	3
8.2 Method .....	4
8.2.1 Exposing the test pieces to the test environment.....	4
8.2.2 Measurement of chord length and chord-to-arc distance .....	4
8.2.3 Identification of the side towards which the paper or board curls.....	4
8.2.4 Measurement of the angle of axis of curl.....	4
9 Calculations.....	5
9.1 Magnitude of curl.....	5
9.2 Angle of curl axis.....	5
9.3 Variation in side towards which paper or board curls.....	5
10 Repeatability and reproducibility .....	5
10.1 Repeatability .....	5
10.2 Reproducibility .....	6
11 Test report .....	6
Annex A (informative) Illustrations of magnitude and types of curl .....	7
Annex B (normative) Method of test piece support during curl measurement (illustrated for circular test pieces) .....	9
Annex C (normative) Modified engineer's vernier calliper for determining chord length ( $C$ ) and chord-to-arc distance ( $h$ ).....	10
Annex D (informative) Examples of alternative curl calculations .....	11
Bibliography .....	12