ISO 175:2010-10 (E)

Plastics - Methods of test for the determination of the effects of immersion in liquid chemicals

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Principle 2

4 General requirements and procedure 2
4.1 Test liquids 2
4.2 Test conditions 2
4.3 Immersion time 3
4.4 Test specimens 3
4.5 Conditioning 4
4.6 Procedure 4
4.7 Expression of results 5

5 Determination of changes in mass, dimensions and appearance 6
5.1 General 6
5.2 Apparatus 6
5.3 Test specimens 7
5.4 Determination of changes in mass 8
5.5 Determination of changes in dimensions 10
5.6 Determination of changes in colour or other appearance attributes 12

6 Determination of changes in other physical properties 13
6.1 General 13
6.2 Apparatus 13
6.3 Test specimens 13
6.4 Procedure 13
6.5 Calculation and expression of results 14

7 Precision 14

8 Test report 15

Annex A (normative) Types of test liquid 16

Annex B (informative) Notes on the absorption of moisture by plastic specimens in equilibrium with a conditioning atmosphere 19

Bibliography 20