DIN EN 14022:2010-06 (E)

Structural adhesives - Determination of the pot life (working life) of multicomponent adhesives

Contents

Page

Foreword 3

1 Scope 4

2 Normative references 4

3 Terms and definitions 4

4 Typical purposes for the test methods 5
4.1 Method 1: Determination by means of change in apparent viscosity (rotating viscometer or oscillating rheometer) 5
4.2 Method 2: Determination by means of a change in extrusion rate 5
4.3 Method 3: Determination by means of manual application 5
4.4 Method 4: Determination by means of exothermic reaction temperature 5
4.5 Method 5: Determination by means of a drying recorder 5

5 Limits of the test methods 5

6 Determination 5
6.1 General 5
6.2 Method 1: Determination by means of a change in apparent viscosity (rotating viscometer or oscillating rheometer) 6
6.2.1 Principle 6
6.2.2 Apparatus 6
6.2.3 Procedure 6
6.3 Method 2: Determination by means of a change in extrusion rate 7
6.3.1 Principle 7
6.3.2 Apparatus 7
6.3.3 Procedure 7
6.4 Method 3: Determination by means of manual application 8
6.4.1 Principle 8
6.4.2 Apparatus 8
6.4.3 Procedure 8
6.5 Method 4: Determination by means of exothermic reaction temperature 9
6.5.1 Principle 9
6.5.2 Apparatus 9
6.5.3 Procedure 9
6.6 Method 5: Determination by means of a drying recorder 10
6.6.1 Principle 10
6.6.2 Apparatus 10
6.6.3 Procedure 10

7 Expression of results 11

8 Test report 11