DIN EN ISO 75-1:2020-06 (E)

Plastics - Determination of temperature of deflection under load - Part 1: General test method (ISO 75-1:2020)

Contents

Page

European foreword ... **3**

Foreword ... **4**

1 Scope ... **5**

2 Normative references ... **5**

3 Terms and definitions ... **6**

4 Principle ... **7**

5 Apparatus ... **7**
5.1 Means of producing a flexural stress ... 7
5.2 Heating equipment ... 8
5.3 Weights ... 9
5.4 Temperature-measuring instrument ... 9
5.5 Deflection-measuring instrument ... 9
5.6 Micrometers and gauges ... 9

6 Test specimens ... **10**
6.1 General ... 10
6.2 Shape and dimensions ... 10
6.3 Specimen inspection ... 10
6.4 Number of test specimens ... 10

7 Conditioning ... **10**

8 Procedure ... **11**
8.1 Calculation of force to be applied ... 11
8.2 Initial temperature of the heating equipment ... 12
8.3 Conducting the test ... 12

9 Expression of results ... **12**

10 Precision ... **13**

11 Test report ... **13**

Bibliography ... **14**