ISO 75-3:2025-07 (E)

Plastics - Determination of temperature of deflection under load - Part 3: High-strength thermosetting laminates and long-fibre-reinforced plastics

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Principle 1

5 Apparatus 2
5.1 Means of producing a flexural stress 2
5.2 Heating equipment 2
5.3 Weights 2
5.4 Temperature-measuring instrument 2
5.5 Deflection-measuring instrument 2
5.6 Micrometers and gauges 2

6 Test specimens 2
6.1 General 2
6.2 Shape and dimensions 2
6.3 Specimen inspection 3
6.4 Number of test specimens 3
6.5 Test-specimen preparation 3
6.6 Annealing 3

7 Conditioning and drying 3

8 Procedure 4
8.1 Calculation of the force to be applied 4
8.2 Initial temperature of the heating equipment 4
8.3 Measurement 4

9 Expression of results 5

10 Precision 5

11 Test report 5

Annex A (informative) Precision data 6

Bibliography 11