DIN EN ISO 11357-2:2020-08 (E)

Plastics - Differential scanning calorimetry (DSC) - Part 2: Determination of glass transition temperature and step height (ISO 11 357-2:2020)

Contents

Page

European foreword 3

Foreword 4

1 Scope 5

2 Normative references 5

3 Terms and definitions 5

4 Principle 5

5 Apparatus and materials 6

6 Test specimens 6

7 Test conditions and specimen conditioning 6

8 Calibration 6

9 Procedure 6
9.1 Setting up the apparatus 6
9.2 Loading the test specimen into the crucible 6
9.3 Insertion of crucibles 6
9.4 Temperature scan 6

10 Expression of results 7
10.1 Determination of glass transition temperatures 7
10.1.1 General 7
10.1.2 Equal-areas method 8
10.1.3 Half-step-height method 10
10.1.4 Inflection-point method 12
10.2 Determination of glass transition step height 12

11 Precision 12

12 Test report 12

Bibliography 13