DIN EN ISO 306:2023-03 (E)

Plastics - Thermoplastic materials - Determination of Vicat softening temperature (VST) (ISO 306:2022)

Contents

Page

European foreword ... **3**

Foreword ... **4**

1 Scope ... **5**

2 Normative references ... **5**

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

4 Principle ... **6**

5 Apparatus ... **6**
5.1 Means of producing penetration ... 6
5.2 Indenter ... 7
5.3 Heating equipment ... 7
5.4 Weights ... 7
5.5 Temperature-measuring device ... 7
5.6 Penetration-measuring device ... 9
5.7 Micrometers and gauges ... 10

6 Test specimens ... **10**

7 Conditioning ... **10**

8 Procedure ... **11**

9 Precision ... **11**

10 Test report ... **11**

Annex A (informative) **Comparison of VST results obtained with liquid-filled heating bath and direct-contact heating unit** ... **13**

Annex B (informative) **Comparison of VST results obtained with liquid-filled heating bath and fluidized bed** ... **15**

Annex C (informative) **Repeatability and precision** ... **17**

Bibliography ... **20**