ISO 306:2022-11 (E)

Plastics - Thermoplastic materials - Determination of Vicat softening temperature (VST)

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 2

4 Principle 2

5 Apparatus 2
5.1 Means of producing penetration 2
5.2 Indenter 3
5.3 Heating equipment 3
5.4 Weights 3
5.5 Temperature-measuring device 3
5.6 Penetration-measuring device 5
5.7 Micrometers and gauges 6

6 Test specimens 6

7 Conditioning 6

8 Procedure 7

9 Precision 7

10 Test report 7

Annex A (informative)ComparisonofVSTresultsobtainedwithliquid-filledheatingbath and direct-contact heating unit 9

Annex B (informative)ComparisonofVSTresultsobtainedwithliquid-filledheatingbath and fluidizedbed 11

Annex C (informative) Repeatability and precision 13

Bibliography 16