

# DIN EN ISO 306:2023-03 (E)

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

---

<b>Contents</b>	<b>Page</b>
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