

ISO 11358-1:2022-03 (E)

Plastics - Thermogravimetry (TG) of polymers - Part 1: General principles

Contents	Page
Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	2
5 Apparatus	2
6 Test specimen preparation	3
6.1 General	3
6.2 Test specimens from finished products	3
6.3 Test specimen conditioning	3
6.4 Test specimen mass	3
7 Calibration	3
7.1 Mass calibration	3
7.2 Temperature calibration	3
8 Procedure	5
8.1 General	5
8.2 Temperature scanning mode	5
8.3 Isothermal mode	6
8.4 Buoyancy correction	6
9 Expression of results	6
9.1 Graphical representation	6
9.2 Determination of increase in mass	6
9.3 Determination of loss in mass	7
9.3.1 Single-stage decrease in mass	7
9.3.2 Multi-stage decrease in mass	8
9.3.3 Determination of residue	11
10 Test report	11
Annex A (informative) Calibration materials for Curie-point temperature calibration	12
Bibliography	13