

ISO 11358-3:2021 (E)

Plastics — Thermogravimetry (TG) of polymers — Part 3: Determination of the activation energy using the Ozawa-Friedman plot and analysis of the reaction kinetics

Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	Principle
5	Apparatus
6	Test specimens
7	Mass and temperature calibration
7.1	Mass calibration
7.2	Temperature calibration
8	Procedure
8.1	General
8.2	Non-oxidative reactions
8.3	Oxidative reactions
9	Expression of results
9.1	Graphical presentation
9.2	Determination of activation energy
9.3	Master curves
10	Precision
11	Test report
Annex A	(informative) Mathematical background

Page count: 14