

---

---

**Plastics — Thermogravimetry (TG) of  
polymers —**

**Part 1:  
General principles**

*Plastiques — Thermogravimétrie (TG) des polymères —  
Partie 1: Principes généraux*





**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2014

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
Case postale 56 • CH-1211 Geneva 20  
Tel. + 41 22 749 01 11  
Fax + 41 22 749 09 47  
E-mail [copyright@iso.org](mailto:copyright@iso.org)  
Web [www.iso.org](http://www.iso.org)

Published in Switzerland

# Contents

	Page
Foreword .....	iv
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 Principle</b> .....	<b>2</b>
<b>5 Apparatus</b> .....	<b>2</b>
<b>6 Test specimen preparation</b> .....	<b>2</b>
6.1 General .....	2
6.2 Test specimens from finished products .....	3
6.3 Test specimen conditioning .....	3
6.4 Test specimen mass .....	3
<b>7 Calibration</b> .....	<b>3</b>
7.1 Mass calibration .....	3
7.2 Temperature calibration .....	3
<b>8 Procedure</b> .....	<b>4</b>
8.1 General .....	4
8.2 Temperature scanning mode .....	4
8.3 Isothermal mode .....	5
<b>9 Expression of results</b> .....	<b>5</b>
9.1 Graphical representation .....	5
9.2 Determination of increase in mass .....	5
9.3 Determination of loss in mass .....	6
<b>10 Test report</b> .....	<b>8</b>