

First edition
1999-10-01

Plastics — Thermomechanical analysis (TMA) —

Part 2:

**Determination of coefficient of linear thermal
expansion and glass transition temperature**

Plastiques — Analyse thermomécanique (TMA) —

*Partie 2: Détermination du coefficient de dilatation thermique linéique et de
la température de transition vitreuse*



Reference number
ISO 11359-2:1999(E)

This is a preview of "ISO 11359-2:1999". Click here to purchase the full version from the ANSI store.

Contents

1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	3
5 Apparatus	3
6 Test specimens	3
7 Procedure	3
8 Expression of results	4
9 Test report	7
Annex A (informative) Precision and reproducibility data for the determination of the mean coefficient of linear thermal expansion using TMA	9
Bibliography	10

© ISO 1999

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

International Organization for Standardization
Case postale 56 • CH-1211 Genève 20 • Switzerland
Internet iso@iso.ch

Printed in Switzerland

This is a preview of "ISO 11359-2:1999". [Click here to purchase the full version from the ANSI store.](#)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 11359-2 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 5, *Physical-chemical properties*.

ISO 11359 consists of the following parts, under the general title *Plastics — Thermomechanical analysis*:

- *Part 1: General principles*
- *Part 2: Determination of coefficient of linear thermal expansion and glass transition temperature*
- *Part 3: Determination of penetration temperature*

Annex A of this part of ISO 11359 is given for information only.