

This is a preview of "ISO 20753:2008". [Click here to purchase the full version from the ANSI store.](#)

First edition
2008-03-15

Plastics — Test specimens

Plastiques — Éprouvettes



Reference number
ISO 20753:2008(E)

© ISO 2008

This is a preview of "ISO 20753:2008". [Click here to purchase the full version from the ANSI store.](#)

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.



COPYRIGHT PROTECTED DOCUMENT

© ISO 2008

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 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
Web www.iso.org

Published in Switzerland

This is a preview of "ISO 20753:2008". Click here to purchase the full version from the ANSI store.

Contents

Page

Foreword.....	iv
Introduction	v
1 Scope	1
2 Normative references	2
3 Terms and definitions.....	2
4 Preparation of test specimens	3
4.1 General.....	3
4.2 Injection moulding of test specimens	3
4.3 Compression moulding of test specimens	4
4.4 Preparation of test specimens by machining	4
5 Types of test specimen and their dimensions.....	4
5.1 Types of test specimen	4
5.2 Tensile test specimens with parallel-sided central section	5
5.2.1 Multipurpose test specimens (type A1 and type A2)	5
5.2.2 Reduced-scale test specimens	6
5.3 Bar test specimens (type B)	7
5.4 Small tensile specimens (type C).....	8
5.5 Plate specimens (type D)	9
6 Report on preparation of test specimens.....	9
Annex A (informative) Recommended applications for multipurpose test specimens or parts thereof.....	11
Annex B (normative) Designation system for test specimens	12
Bibliography	14

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 2.

The main task of technical committees is to prepare International Standards. 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.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 20753 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 2, *Mechanical properties*.

This is a preview of "ISO 20753:2008". [Click here to purchase the full version from the ANSI store.](#)

Introduction

Up to now, information on plastics test specimens has been specified in several different locations: in test method standards (e.g. ISO 527-2), in ISO 3167 (for multipurpose test specimens) and in ISO 294-1, ISO 294-2, ISO 294-3 and ISO 294-5 (for moulding conditions). The aim of this International Standard is to give the designations and dimensions of test specimens used for the acquisition of comparable data, and also other frequently used specimens, in one document for ease of reference. This will be followed by a revision of the ISO 294 series, which will define only the injection-moulding conditions and will refer to this International Standard for the dimensions of the specimens. Other International Standards that have hitherto used different designations for the same specimen type will also be revised to bring the designations into line with those in this International Standard.