

INTERNATIONAL STANDARD

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Heat-shrinkable moulded shapes –

Part 2: Methods of test

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

HEAT-SHRINKABLE MOULDED SHAPES –

Part 2: Methods of test

FOREWORD

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International Standard IEC 62329-2 has been prepared by IEC technical committee 15: Standards on specifications for electrical insulating materials.

The text of this standard is based on the following documents:

FDIS	Report on voting
15/316/FDIS	15/338/RVD

All information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

A bilingual version of this publication may be issued at a later date.

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INTRODUCTION

This International Standard is one of a series which deals with heat-shrinkable moulded shapes. The series consists of the following parts:

- Part 1: Definitions and general requirements (IEC 62329-1)
- Part 2: Methods of test (IEC 62329-2)
- Part 3: Specification requirements for shape dimensions, material requirements and compatibility performance (IEC 62329-3) (in consideration)

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HEAT-SHRINKABLE MOULDED SHAPES –

Part 2: Methods of test

1 Scope

This part of IEC 62329 gives methods of test for heat-shrinkable moulded shapes in a range of configurations and materials suitable for insulation, environmental sealing, mechanical protection and strain relief for connector/cable terminations and multi-way transitions.

The tests specified are designed to control the quality of the moulded shapes but it is recognized that they do not completely establish the suitability of moulded shapes for impregnation or encapsulation processes or other specialized applications. Where necessary, the test methods in this Part will need to be supplemented by appropriate impregnation or compatibility tests to suit the individual circumstances.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60093:1980, *Methods of test for volume resistivity and surface resistivity of solid electrical insulating materials*

IEC 60212:1971, *Standard conditions for use prior to and during the testing of solid electrical insulating materials*

IEC 60216-4-1:2006, *Electrical insulating materials – Thermal endurance properties – Part 4-1: Ageing ovens – Single-chamber ovens*

IEC 60216-4-2:2000, *Electrical insulating materials – Thermal endurance properties – Part 4-2: Ageing ovens – Precision oven for use up to 300 °C*

IEC 60243-1:1998, *Electric strength of insulating materials – Test methods – Part 1: Tests at power frequencies*

IEC 60250:1993, *Recommended methods for the determination of the permittivity and dielectric dissipation factor of electrical insulating materials at power, audio and radio frequencies including metre wavelengths*

IEC 60581:1984, *Test methods for evaluating resistance to tracking and erosion of electrical insulating materials used under severe ambient conditions*

IEC 60695-6-30:1996, *Fire hazard testing – Part 6: Guidance and test methods on the assessment of obscuration hazards of vision caused by smoke opacity from electrotechnical products involved in fires – Section 30: Small scale static method. Determination of smoke opacity. Description of the apparatus*

IEC 60695-11-10:1999, *Fire hazard testing – Part 11-10: Test flames – 50 W horizontal and vertical flame test methods*

IEC 60754-1:1994, *Test on gases evolved during combustion of materials from cables – Part 1: Determination of the amount of halogen acid gas*

IEC 60754-2:1991, *Test on gases evolved during combustion of materials from cables – Part 2: Determination of degree of acidity of gases evolved during the combustion of materials taken from electric cables by measuring pH and conductivity*

IEC 62329-1:2005, *Heat shrinkable moulded shapes – Part 1: Definitions and general requirements*

ISO 62:1999, *Plastics – Determination of water absorption*

ISO 105-A02:1993, *Textiles – Tests for colour fastness – Part A02: Grey scale for assessing changes in colour*

ISO 105-B01:1994, *Textiles – Tests for colour fastness – Part B01: Colour fastness to light: Daylight*

ISO 846:1997, *Plastics – Evaluation of the action of micro-organisms*

ISO 3261:1975, *Fire tests – Vocabulary*¹

ISO 4589-2:1996, *Plastics – Determination of burning behaviour by oxygen index – Part 2: Ambient-temperature test*

ISO 4589-3:1996, *Plastics – Determination of burning behaviour by oxygen index – Part 3: Elevated-temperature test*

¹ This standard has been withdrawn.