IEC 62677-3-102

Edition 1.0 2018-01

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Heat-shrinkable low and medium voltage moulded shapes – Part 3: Specification for individual materials – Sheet 102: Heat-shrinkable, polyolefin, anti-tracking moulded shapes for medium voltage applications

Profilés thermorétractables basse et moyenne tensions – Partie 3: Spécification pour matériaux particuliers – Feuille 102: Profilés thermorétractables anticheminement en polyoléfine pour applications moyenne tension

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

HEAT-SHRINKABLE LOW AND MEDIUM VOLTAGE MOULDED SHAPES –

Part 3: Specification for individual materials – Sheet 102: Heat-shrinkable, polyolefin, anti-tracking moulded shapes for medium voltage applications

FOREWORD

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International Standard IEC 62677-3-102 has been prepared by IEC technical committee 15: Solid electrical insulating materials.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
15/815/FDIS	15/821/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

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

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A list of all parts in the IEC 62677 series, published under the general title *Heat-shrinkable low and medium voltage moulded shapes,* can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "http://webstore.iec.ch" in the data related to the specific document. At this date, the document will be

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INTRODUCTION

This part of IEC 62677 is one of a series that deals with heat shrinkable low and medium voltage moulded shapes. The series consists of three parts:

Part 1: General requirements (IEC 62677-1);

Part 2: Methods of test (IEC 62677-2);

Part 3: Specification for individual materials (IEC 62677-3).

This standard gives one of the sheets comprising Part 3 as follows:

Sheet 101: Heat-shrinkable, polyolefin moulded shapes for low voltage applications

Sheet 102: Heat-shrinkable, polyolefin, anti-tracking moulded shapes for medium voltage applications

Sheet 103: Heat-shrinkable, polyolefin, semi-conductive moulded shapes for 8 medium voltage applications

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HEAT-SHRINKABLE LOW AND MEDIUM VOLTAGE MOULDED SHAPES –

Part 3: Specification for individual materials – Sheet 102: Heat-shrinkable, polyolefin, anti-tracking moulded shapes for medium voltage applications

1 Scope

This part of IEC 62677 is applicable to heat shrinkable medium voltage moulded shapes in a range of configurations suitable for insulation, environmental sealing, mechanical protection, strain relief for power cable terminations, joints and stop ends. These moulded shapes have been found suitable for use for temperatures between –40 °C and 100 °C.

The moulded shapes can be supplied with a pre-coated adhesive. A guide to adhesive compatibility and temperature performance is given in Annex A. The manufacturers/suppliers can be consulted for options.

Materials which conform to this document meet established levels of performance. However, the selection of a material by a user for a specific application will be based on the actual requirements necessary for adequate performance in that application and will not be based on this document alone.

The tests specified are designed to control the quality of the moulded shapes but it is recognized that they are designed to be used in low and medium voltage cable accessories and as such electrical performance will be proven as part of the assembly. Examples of this are described in IEC 60502 (all parts), EN 50393 and HD 629.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 60296, *Fluids for electrotechnical applications – Unused mineral insulating oils for transformers and* switchgear

IEC 60757, *Code for designation of colours*

IEC 62677-1, *Heat shrinkable low and medium voltage moulded shapes – Part 1: General requirements*

IEC 62677-2, *Heat shrinkable low and medium voltage moulded shapes – Part 2: Methods of test*

3 Terms and definitions

No terms and definitions are listed in this document.

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