

STN	Teplom zmršťiteľné tvarované súčiastky na nízke (LV) a vysoké (MV) napätie Časť 3: Špecifikácia jednotlivých materiálov List 102: Teplom zmršťiteľné polyolefínové tvarované súčiastky na vysoké (MV) napätie odolné proti plazivým prúdom	STN EN IEC 62677-3-102 34 6536
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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

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 09/18

Obsahuje: EN IEC 62677-3-102:2018, IEC 62677-3-102:2018

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EUROPEAN STANDARD

EN IEC 62677-3-102

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2018

ICS 29.035.20; 29.035.01

English Version

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
(IEC 62677-3-102:2018)

Profilés thermorétractables basse et moyenne tensions -
Partie 3: Spécification pour matériaux particuliers - Feuille
102: Profilés thermorétractables anticheminement en
polyoléfine pour applications moyenne tension
(IEC 62677-3-102:2018)

Wärmeschrumpfende Nieder- und Mittelspannungsformteile
- Teil 3: Materialanforderungen - Blatt 102:
Wärmeschrumpfende Formteile aus Polyolefin,
kriechstromfest, für Mittelspannungsanwendungen
(IEC 62677-3-102:2018)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 62677-3-102:2018 (E)**European foreword**

The text of document 15/815/FDIS, future edition 1 of IEC 62677-3-102, prepared by IEC/TC 15 "Solid electrical insulating materials" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62677-3-102:2018.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2018-11-14
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In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60684-3-280:2010	NOTE	Harmonized as EN 60684-3-280:2010 (not modified).
IEC 60684-3-280:2010/A1:2013	NOTE	Harmonized as EN 60684-3-280:2010/A1:2014 (not modified).
IEC 60684-3-283:2010	NOTE	Harmonized as EN 60684-3-283:2011 (not modified).
IEC 60684-3-283:2010/A1:2013	NOTE	Harmonized as EN 60684-3-283:2011/A1:2014 (not modified).
ISO 846:1997	NOTE	Harmonized as EN ISO 846:1997 (not modified).

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60296	-	Fluids for electrotechnical applications - Unused mineral insulating oils for transformers and switchgear	EN 60296	-
IEC 60757	-	Code for designation of colours	HD 457 S1	-
IEC 62677-1	-	Heat shrinkable low and medium voltage moulded shapes -- Part 1: General requirements	EN IEC 62677-1	-
IEC 62677-2	-	Heat shrinkable low and medium voltage moulded shapes -- Part 2: Methods of test	EN IEC 62677-2	-



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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IEC Central Office
 3, rue de Varembe
 CH-1211 Geneva 20
 Switzerland

Tel.: +41 22 919 02 11
info@iec.ch
www.iec.ch

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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**

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

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CONTENTS

FOREWORD.....	3
INTRODUCTION.....	5
1 Scope.....	6
2 Normative references	6
3 Terms and definitions	6
4 Designation	7
5 Conditions of test for dimensions.....	7
6 Requirements	7
7 Moulded shapes material conformance.....	7
Annex A (informative) Adhesive compatibility guide	10
Bibliography.....	11
Table 1 – Property requirements	8
Table 2 – Resistance to selected fluids	9
Table A.1 – Adhesive compatibility guide	10

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.

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

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

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

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

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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*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN