

STN	Teplom zmráštiteľné tvarované súčiastky na nízke (LV) a vysoké (MV) napätie Časť 3: Špecifikácia jednotlivých materiálov List 103: Teplom zmráštiteľné polyolefínové vodivé tvarované súčiastky na vysoké (MV) napätie	STN EN IEC 62677-3-103 34 6536
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Heat-shrinkable low and medium voltage moulded shapes - Part 3: Specification for individual materials - Sheet 103: Heat-shrinkable, polyolefin, conductive 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. 10/19

Obsahuje: EN IEC 62677-3-103:2019, IEC 62677-3-103:2019

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EUROPEAN STANDARD

EN IEC 62677-3-103

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2019

ICS 29.035.20; 29.035.01

English Version

**Heat-shrinkable low and medium voltage moulded shapes - Part
3: Specification for individual materials - Sheet 103: Heat-
shrinkable, polyolefin, conductive moulded shapes for medium
voltage applications
(IEC 62677-3-103:2019)**

Profils thermorétractables basse et moyenne tensions -
Partie 3: Spécification pour matériaux particuliers - Feuille
103: Profils thermorétractables conducteurs en polyoléfine
pour applications moyenne tension
(IEC 62677-3-103:2019)

Wärmeschrumpfende Nieder- und Mittelspannungsformteile
- Wärmeschrumpfende Nieder- und
Mittelspannungsformteile - Teil 3: Anforderungen für
einzelne Materialien - Blatt 103: Wärmeschrumpfende
Polyolefinformteile, leitfähig, für
Mittelspannungsanwendungen
(IEC 62677-3-103:2019)

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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 62677-3-103:2019 (E)**European foreword**

The text of document 15/833/CDV, future edition 1 of IEC 62677-3-103, prepared by IEC/TC 15 "Solid electrical insulating materials" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62677-3-103:2019.

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) 2020-03-18
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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 60684-3-283:2010	NOTE	Harmonized as EN 60684-3-283:2011 (not modified)

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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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	2017	Heat shrinkable low and medium voltage moulded shapes - Part 2: Methods of test	EN IEC 62677-2	2018



IEC 62677-3-103

Edition 1.0 2019-05

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Heat-shrinkable low and medium voltage moulded shapes –
Part 3: Specification for individual materials – Sheet 103: Heat-shrinkable,
polyolefin, conductive moulded shapes for medium voltage applications**

**Profils thermorétractables basse et moyenne tensions –
Partie 3: Spécification pour matériaux particuliers – Feuille 103: Profils
thermorétractables conducteurs en polyoléfine pour applications moyenne
tension**



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INTERNATIONAL STANDARD

NORME INTERNATIONALE

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Part 3: Specification for individual materials – Sheet 103: Heat-shrinkable,
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**Profils thermorétractables basse et moyenne tensions –
Partie 3: Spécification pour matériaux particuliers – Feuille 103: Profils
thermorétractables conducteurs 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	7
Table 2 – Resistance to selected fluids	8
Table 3 – Additional property requirements	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 103: Heat-shrinkable, polyolefin, conductive moulded shapes for
medium voltage applications**

FOREWORD

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International Standard IEC 62677 has been prepared by committee TC 15: Solid electrical insulating materials.

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

CDV	Report on voting
15/833/CDV	15/861/RVC

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. It consists of three parts:

- Part 1: General requirements (IEC 62677-1)
- Part 2: Methods of test (IEC 62677-2) 1
- Part 3: Specification for individual materials

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

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

HEAT-SHRINKABLE LOW AND MEDIUM VOLTAGE MOULDED SHAPES

Part 3: Specification for individual materials

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

1 Scope

This part of IEC 62677 is applicable to heat shrinkable low and medium voltage moulded shapes, conductive, in a range of configurations suitable for 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 $-40\text{ }^{\circ}\text{C}$ and $100\text{ }^{\circ}\text{C}$.

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 specification meet established levels of performance. However, the selection of a material by a user for a specific application will need to be based on the actual requirements necessary for adequate performance in that application and not based on this specification 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 EN 50393, HD 629 and IEC 60502 (all parts).

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 62677-2:2017, *Heat shrinkable low and medium voltage moulded shapes – Part 2: Methods of test*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN