

<b>STN</b>	<b>Tepelnoizolačné výrobky pre budovy. Prefabrikované výrobky z polyetylénovej peny (PEF). Špecifikácia.</b>	<b>STN EN 16069+A1</b>  <b>72 7223</b>
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Thermal insulation products for buildings - Factory made products of polyethylene foam (PEF) - Specification

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. 07/15

Rozpracovanie prekladom.

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Oznámením tejto normy sa od 01.12.2016 ruší  
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Úrad pre normalizáciu, metrológiu a skúšobníctvo SR, 2015  
Podľa zákona č. 264/1999 Z. z. v znení neskorších predpisov sa môžu slovenské technické normy  
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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 16069:2012+A1**

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Supersedes EN 16069:2012

English Version

**Thermal insulation products for buildings - Factory made  
products of polyethylene foam (PEF) - Specification**

Produits isolants thermiques pour le bâtiment - Produits  
manufacturés en mousse de polyéthylène (PE) -  
Spécification

Wärmedämmstoffe für Gebäude - Werkmäßig hergestellte  
Produkte aus Polyethylenschaum (PEF) - Spezifikation

This European Standard was approved by CEN on 6 October 2012 and includes Amendment 1 approved by CEN on 15 December 2014.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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

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**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

## Contents

Page

Foreword.....	5
1 Scope .....	7
2 Normative references .....	7
3 Terms, definitions, symbols, units and abbreviated terms .....	9
3.1 Terms and definitions .....	9
3.2 Symbols, units and abbreviated terms.....	10
3.2.1 Symbols and units used in this European Standard .....	10
3.2.2 Abbreviated terms used in this European Standard:.....	12
4 Requirements .....	12
4.1 General.....	12
4.2 For all applications .....	12
4.2.1 Thermal resistance and thermal conductivity .....	12
4.2.2 Length and width .....	13
4.2.3 Thickness .....	13
4.2.4 Squareness.....	14
4.2.5 Flatness .....	14
4.2.6 Reaction to fire of the product as placed on the market .....	14
4.2.7 Durability characteristics .....	15
4.3 For specific applications.....	15
4.3.1 General.....	15
4.3.2 Dimensional stability .....	15
4.3.3 Compressive stress or compressive strength .....	16
4.3.4 Tensile strength and elongation in length and width .....	16
4.3.5 Point load.....	17
4.3.6 Compressive creep.....	17
4.3.7 Water absorption .....	17
4.3.8 Water vapour transmission .....	17
4.3.9 Dynamic stiffness .....	18
4.3.10 Compressibility .....	18
4.3.11 Sound absorption .....	19
4.3.12 Width length and thickness of preformed products .....	19
4.3.13 Release of dangerous substances.....	20
4.3.14 Reaction to fire of the product in standardized assemblies simulating end-use applications .....	20
4.3.15 Continuous glowing combustion.....	21
5 Test methods.....	21
5.1 Sampling .....	21
5.2 Conditioning.....	21
5.3 Testing .....	21
5.3.1 General.....	21
5.3.2 Thermal resistance and thermal conductivity .....	21
6 Designation Code .....	23
7 Assessment and Verification of the Constancy of Performance (AVCP) .....	24
7.1 General.....	24
7.2 Product Type Determination (PTD).....	24
7.3 Factory Production Control (FPC) .....	24
8 Marking and labelling .....	25

<b>Annex A (normative) Determination of the declared values of thermal resistance and thermal conductivity .....</b>	<b>26</b>
<b>A.1 General .....</b>	<b>26</b>
<b>A.2 Input data.....</b>	<b>26</b>
<b>A.3 Declared values .....</b>	<b>26</b>
<b>A.3.1 General .....</b>	<b>26</b>
<b>A.3.2 Case where thermal resistance and thermal conductivity are declared .....</b>	<b>26</b>
<b>A.3.3 Case where only thermal resistance is declared .....</b>	<b>27</b>
<b>Annex B (normative)  Product type determination  ( PTD ) and factory production control (FPC).....</b>	<b>28</b>
<b>Annex C (normative) PEF multilayered insulation products.....</b>	<b>31</b>
<b>C.1 General .....</b>	<b>31</b>
<b>C.2 Requirements.....</b>	<b>31</b>
<b>C.2.1 For all applications .....</b>	<b>31</b>
<b>C.2.2 For specific applications .....</b>	<b>32</b>
<b>C.3 Test methods .....</b>	<b>32</b>
<b>C.4 Evaluation of conformity .....</b>	<b>32</b>
<b>Annex D (informative) Examples for the determination of the declared values of thermal resistance and thermal conductivity for a product or a product group .....</b>	<b>33</b>
<b>D.1 Case where both thermal resistance and thermal conductivity are declared.....</b>	<b>33</b>
<b>D.2 Case where only thermal resistance is declared .....</b>	<b>34</b>
<b>Annex E (informative) Additional properties.....</b>	<b>36</b>
<b>E.1 General .....</b>	<b>36</b>
<b>E.2 Deformation under specific compressive load and temperature conditions.....</b>	<b>36</b>
<b>E.3 Compression modulus of elasticity.....</b>	<b>36</b>
<b>E.4 Bending strength.....</b>	<b>36</b>
<b>E.5 Apparent density .....</b>	<b>36</b>
<b>E.6 Compressive stress at defined deformation .....</b>	<b>37</b>
<b>E.7 Air flow resistivity.....</b>	<b>37</b>
<b>E.8 Cyclic load behaviour .....</b>	<b>37</b>
<b>E.9 Shear behaviour .....</b>	<b>37</b>
<b>E.10 Peel strength.....</b>	<b>37</b>
<b>Annex ZA (informative)  Clauses of this European Standard addressing the provisions of the EU Construction Products Regulation  .....</b>	<b>39</b>
<b>ZA.1 Scope and relevant characteristics .....</b>	<b>39</b>
<b>ZA.2 Procedures for AVCP of factory made polyethylene foam products.....</b>	<b>40</b>
<b>ZA.2.1 Systems of AVCP .....</b>	<b>40</b>
<b>ZA.2.2 Declaration of Performance (DoP).....</b>	<b>44</b>
<b>ZA.3 CE Marking and labelling.....</b>	<b>47</b>

<b>Bibliography .....</b>	<b>49</b>
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## Tables

<b>Table 1 — Level and classes for dimensional tolerances .....</b>	<b>14</b>
<b>Table 2 — Dimensional stability under specified temperature and humidity conditions .....</b>	<b>16</b>
<b>Table 3 — Classes for thickness tolerances.....</b>	<b>18</b>
<b>Table 4 — Levels for compressibility .....</b>	<b>19</b>
<b>Table 5 — Levels for dimensions of preformed products .....</b>	<b>20</b>
<b>Table 6 — Test methods, test specimens and conditions.....</b>	<b>22</b>
<b>Table A.1 — Values for k for one sided 90 % tolerance interval with a confidence level of 90 %.....</b>	<b>27</b>
<b>Table B.1 — Minimum number of tests for "IPTD" and minimum product testing frequencies .....</b>	<b>28</b>
<b>Table B.2 — Minimum product testing frequencies for the reaction to fire characteristics.....</b>	<b>30</b>
<b>Table D.1 — <math>\lambda</math> test results .....</b>	<b>33</b>
<b>Table D.2 — R test results .....</b>	<b>34</b>
<b>Table E.1 — Levels of bending strength .....</b>	<b>36</b>
<b>Table E.2 — Levels for compressive stress at a defined deformation.....</b>	<b>37</b>
<b>Table E.3 — Test methods, test specimens, conditions and minimum testing frequencies .....</b>	<b>38</b>
<b>Table ZA.1 — Relevant clauses for factory made polyethylene foam and intended use.....</b>	<b>39</b>
<b>Table ZA.2 — Systems of AVCP.....</b>	<b>41</b>
<b>Table ZA.3.1 — Assignment of AVCP tasks for factory made polyethylene foam products under system 1 for reaction to fire and system 3 (see Table ZA.2).....</b>	<b>41</b>
<b>Table ZA.3.2 — Assignment of AVCP tasks for factory made polyethylene foam products under system 3 (see Table ZA.2).....</b>	<b>43</b>
<b>Table ZA.3.3 — Assignment of AVCP tasks for factory made polyethylene foam products under combined system 4 for reaction to fire and system 3 (see Table ZA.2).....</b>	<b>43</b>

## Figures

<b>Figure ZA.1 — Example CE marking information of products under AVCP system 1 and system 3 .....</b>	<b>48</b>
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## Foreword

This document (EN 16069:2012+A1:2015) has been prepared by Technical Committee CEN/TC 88 "Thermal insulating materials and products", the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by August 2015, and conflicting national standards shall be withdrawn at the latest by November 2016.

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

This document supersedes A1 EN 16069:2012 A1.

This document includes Amendment 1 approved by CEN on 2014-12-15.

The start and finish of text introduced or altered by amendment is indicated in the text by tags A1 A1.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

A1 For relationship with EU Construction Products Regulation (CPR), see informative Annex ZA, which is an integral part of this standard. A1

A1 Amendment 1 modifies EN 16069:2012 identifying those clauses of the standard which are needed for the compliance of the European Standard with the Construction Products Regulation (CPR).

This amendment introduces:

- a) an addition to the foreword;
- b) an addition in 3.2;
- c) an addition in 4.3.10.2;
- d) a new subclause 4.3.13;
- e) modification of Clause 7;
- f) modification of Clause 8;
- g) modification of Annex B;
- h) modification of Annex E;
- i) a new Annex ZA. A1

This document is one of a series of standards for thermal insulation products used in buildings, but this standard may be used in other areas where appropriate.

The reduction in energy used and emissions produced during the installed life of insulation products exceeds by far the energy used and emissions made during the production and disposal processes.

**EN 16069:2012+A1:2015 (E)**

According to the CEN/CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

## 1 Scope

This European Standard specifies the requirements for factory made polyethylene foam (PEF) products, with or without facing or coating, which are used for thermal insulation of buildings. The products are manufactured in the form of boards or rolls or other preformed ware.

This standard describes product characteristics and includes procedures for testing, evaluation of conformity, marking and labelling.

Products covered by this standard are also used in prefabricated thermal insulating systems and composite panels; the performance of systems incorporating these products is not covered.

This standard does not specify the required level of a given property to be achieved by a product to demonstrate fitness for purpose in a particular application. The levels required for a given application are to be found in regulations or non-conflicting standards.

Products with a declared thermal resistance lower than  $0,5 \text{ m}^2\text{K/W}$  or a declared thermal conductivity greater than  $0,050 \text{ W/(m}\cdot\text{K)}$  at  $10^\circ\text{C}$  are not covered by this European Standard.

This standard does not cover in situ insulation products and products intended to be used for the insulation of building equipment and industrial installations (covered by EN 14313). Further excluded are non-foamed materials such as bubble films, foils etc.

## 2 Normative references

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

EN 822, *Thermal insulating products for building applications — Determination of length and width*

EN 823, *Thermal insulating products for building applications — Determination of thickness*

EN 824, *Thermal insulating products for building applications — Determination of squareness*

EN 825, *Thermal insulating products for building applications — Determination of flatness*

EN 826, *Thermal insulating products for building applications — Determination of compression behaviour*

EN 1603, *Thermal insulating products for building applications — Determination of dimensional stability under constant normal laboratory conditions ( $23^\circ\text{C}$ / 50 % relative humidity)*

EN 1604, *Thermal insulating products for building applications — Determination of dimensional stability under specified temperature and humidity conditions*

EN 1606, *Thermal insulating products for building applications — Determination of compressive creep*

EN 1607, *Thermal insulating products for building applications — Determination of tensile strength perpendicular to faces*

EN 1609, *Thermal insulating products for building applications — Determination of short term water absorption by partial immersion*

EN 12086:1997, *Thermal insulating products for building applications — Determination of water vapour transmission properties*

**EN 16069:2012+A1:2015 (E)**

EN 12087, *Thermal insulating products for building applications — Determination of long term water absorption by immersion*

EN 12430, *Thermal insulating products for building applications — Determination of the behaviour under point load*

EN 12431, *Thermal insulating products for building applications — Determination of thickness for floating floor insulation products*

EN 12667, *Thermal performance of building materials and products — Determination of thermal resistance by means of guarded hot plate and heat flow meter methods — Products of high and medium thermal resistance*

EN 12939, *Thermal performance of building materials and products — Determination of thermal resistance by means of guarded hot plate and heat flow meter methods — Thick products of high and medium thermal resistance*

EN 13172:2012, *Thermal insulation products — Evaluation of conformity*

EN 13501-1, *Fire classification of construction products and building elements — Part 1: Classification using data from reaction to fire tests*

EN 13823, *Reaction to fire tests for building products — Building products excluding floorings exposed to the thermal attack by a single burning item*

EN 15715:2009, *Thermal insulation products — Instructions for mounting and fixing for reaction to fire testing - Factory made products*

EN 29052-1, *Acoustics — Determination of dynamic stiffness — Part 1: Materials used under floating floors in dwellings (ISO 9052-1)*

EN ISO 354, *Acoustics — Measurement of sound absorption in a reverberation room (ISO 354)*

EN ISO 1182, *Reaction to fire tests for building products — Non-combustibility test (ISO 1182)*

EN ISO 1716, *Reaction to fire tests for products — Determination of the gross heat of combustion (calorific value) (ISO 1716)*

EN ISO 1798, *Flexible cellular polymeric materials — Determination of tensile strength and elongation at break (ISO 1798:2008)*

EN ISO 9229:2007, *Thermal insulation — Vocabulary (ISO 9229:2007)*

EN ISO 11654, *Acoustics — Sound absorbers for use in buildings — Rating of sound absorption (ISO 11654)*

EN ISO 11925-2, *Reaction to fire tests — Ignitability of products subjected to direct impingement of flame — Part 2: Single-flame source test (ISO 11925-2)*

EN ISO 13790:2008, *Energy performance of buildings — Calculation of energy use for space heating and cooling (ISO 13790:2008)*

ISO 16269-6:2005, *Statistical interpretation of data — Part 6: Determination of statistical tolerance intervals*

**koniec náhl'adu – text ďalej pokračuje v platenej verzii STN**