SLOVENSKI STANDARD
SIST EN 16436-1:2014+A1:2016/oprA2:2017

01-julij-2017

Gumeni in plastični priključki, cevovodi in cevi za propan, butan in njune zmesi v plinastem stanju - 1. del: Cevi in cevovodi - Dopolnilo A2

Rubber and plastics hoses, tubing and assemblies for use with propane and butane and their mixtures in the vapour phase - Part 1: Hoses and tubings

Gummi- und Kunststoffschläuche und -Schlauchleitungen mit und ohne Einlage zur Verwendung mit Propan, Butan und deren Gemischen in der Gasphase - Teil 1: Schläuche mit und ohne Einlage

Tuyaux, tubes et flexibles en caoutchouc et en plastique pour utilisation avec le propane, le butane et leurs mélanges en phase vapeur - Partie 1: Tuyaux et tubes

Ta slovenski standard je istoveten z: **EN 16436-1:2014+A1:2015/prA2:2017**

ICS:

83.140.40	Gumene cevi	Hoses

SIST EN 16436-1:2014+A1:2016/oprA2:2017 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

DRAFT EN 16436-1:2014+A1:2015

prA2

July 2017

ICS 23.040.70

English Version

Rubber and plastics hoses, tubing and assemblies for use with propane and butane and their mixtures in the vapour phase - Part 1: Hoses and tubings

Tuyaux, tubes et flexibles en caoutchouc et en plastique pour utilisation avec le propane, le butane et leurs mélanges en phase vapeur - Partie 1: Tuyaux et tubes

Gummi- und Kunststoffschläuche und -Schlauchleitungen mit und ohne Einlage zur Verwendung mit Propan, Butan und deren Gemischen in der Gasphase - Teil 1: Schläuche mit und ohne Einlage

This draft amendment is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 181.

This draft amendment A2, if approved, will modify the European Standard EN 16436-1:2014+A1:2015. If this draft becomes an amendment, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration.

This draft amendment was established by CEN 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.

CEN members are the national standards bodies of 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, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.

Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.

EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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

Contents

Page

European foreword

This document (EN 16436-1:2014+A1:2015/prA2:2017) has been prepared by Technical Committee CEN/TC 181 “Dedicated liquefied petroleum gas appliances”, the secretariat of which is held by AFNOR.

This document is currently submitted to the CEN Enquiry.

1 Modification to the title of the standard

Add an "s" *to* "mixture" *to read* "Rubber and plastics hoses, tubing and assemblies for use with propane and butane and their mixtures in the vapour phase - Part 1: Hoses and tubings"

2 Modification to 8.1, Visible defects evaluation

Replace the existing text in 8.1 with the following:

"When evaluated according to A.4 No defect such as cracks, air bubbles or foreign particles shall be observed by normal corrected vision prior to testing on test pieces."

3 Modification to 8.3, Pressure requirements

In Table 5 delete the 4th column "Max. twist at proof pressure" *to read*:

"

Class	Maximum working pressure	Proof-pressure	Minimum burst pressure		Change in length at working pressure	Change in outside diameter at working pressure
			(23 ± 2) °C	(70 ± 2) °C		
	bar	bar	bar	bar	max. %	max. %
1	0,2	0,4	3,5	3,5	N.A.	N.A.
2	10	20	30	25	± 5	± 8
3	30	60	90	75	± 5	± 8

"

4 Modification to 8.11, UV (xenon arc lamp) test

The first paragraph is completed to specify type 4 according to Table 1.

Replace the first paragraph with the following:

"Tubing and hoses are tested in accordance with EN ISO 30013, type 4 according to Table 1, method A, cycle 1, for 1 000 h. There shall be no visible flaking or cracking of the cover or tubing when viewed under × 2 magnification."

5 Modification to Clause 9

Replace:

b) "EN 16436" followed by year of publication of EN 16436-1, i.e. 2015";

with:

b) "the reference to this standard: "EN 16436-1";

6 Modification to A.7, Resistance to crushing

Replace the existing text with the following:

"During the whole test period, the tubing or hose is maintained a test temperature of (70 ± 2) °C in air or water.

It is firstly conditioned without flow during a period of 4 h to 6 h.

It is then supplied with air maintained at (23 ± 2) °C and a constant pressure of (30 ± 2) mbar at the inlet of the test piece, during a period of 10 min to 15 min. A variable control previously fitted at the outlet end is adjusted to obtain a flow rate of (0,30 ± 0,03) m^3/h.

Finally a force of 75 N for tubing of class 1 or 125 N for hose of class 2 or 250 N for hose of class 3 is applied evenly over a length of 25 mm of the tubing or hose and after 30 s; while the force is still maintained on the tubing or hose, ensure the flow rate is not less than 0,10 m^3/h, the inlet pressure being adjusted to (30 ± 2) mbar.

After the resistance to crushing test, submit the tubing or hose to the proof pressure hold test in accordance with EN ISO 1402 with the proof pressure given in Table 5."