

Prüfbericht Glühdrahtprüfung IEC 60695-2-11

Dämmgulast blau

gültig für
Schalldämmeinlage Dämmgulast blau

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TEST REPORT
IEC 60695-2-11
Glowing / hot-wire based test methods

Report reference No: N41A0001

Tested by
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Qualification Engineer



Approved by
(printed name and signature): Christian Waldenburg
Lab Manager Product Safety



Date of issue: Jun 28, 2019

Total number of pages..... 6

Testing Laboratory: SGS Germany GmbH, CRS Munich

Address: Hofmannstrasse 50, 81379 Munich, Germany

Applicant's Name: **Poppe GmbH & Co. KG**

Address: Ohlebergsweg 5
35392 Gießen, Germany

Test specification

Standard: IEC 60695-2-11:2014

Test procedure: Accredited testing

Non-standard test method: N/A

Test Report Form No.....: IECEN 60695-2-11 (2014)

TRF originator: SGS CQE

Master TRF: 2010-02

Test item description: Four rubber profiles (Gummiprofile)

Manufacturer: Poppe GmbH & Co. KG

Model and/or type reference: 1. Dämmgulast blau Ebl 3schn 20x6 30m/R; R = Rolle
2. Dämmgulast blau Ebl 4schn 25x6 30m/R; R = Rolle
3. Dämmgulast blau Ebl 4schn 30x6 30m/R; R=Rolle
4. Dämmgulast blau Ebl 7schn 50x6 30m/R. R= Rolle

This document was signed electronically.

Summary of testing:

All four rubber profiles **fulfill** the requirements of the glowing / hot-wire test IEC 60695-2-11:2014.

Note:

There was tested only the rubber profile 1 Dämmgulas blau Ebl 3schn 20x6 30m/R; R = Rolle. The other 3 profiles differs from the tested profile in dimensions which have no impact on test result. This leads to the conclusion that the other 3 profiles fulfill the requirements of the glowing / hot-wire test IEC 60695-2-11:2014 too.

Testing

Date of receipt of test item : May 28, 2019

Date(s) of performance of test : Jun 25, 2019

General remarks:

The test results presented in this report relate only to the object tested.
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"(see Enclosure #)" refers to additional information appended to the report.

"(see appended table)" refers to a table appended to the report.

Throughout this report a comma / point is used as the decimal separator.

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IEC 60695-2-11:2014 / EN 60695-2-11:2014																							
Clause	Requirement – Test	Result – Remark	Verdict																				
1	Scope		P																				
2	Normative references		P																				
3	Definitions		P																				
4	Test specimens		P																				
4.2	Complete end product		P																				
5	Test apparatus		P																				
	The description of the test apparatus is given in clause 4 of IEC 60695-2-10.		P																				
6	Verification of the temperature measuring system		P																				
	The verification of the temperature measuring system is specified IEC 60695-2-10.		P																				
7	Conditioning		P																				
	If not otherwise specified in the relevant specification, the test specimen and the specified layer to be used is conditioned for 24 h in an atmosphere having a temperature between 15 °C and 35 °C and a relative humidity between 45 % and 75 %.	Conditioned for 24 h in an atmosphere having a temperature between 15 °C and 35 °C and a relative humidity between 45 % and 75 %.	P																				
8	Test procedure		P																				
8.2	The glow-wire is heated to the test temperature specified in the relevant product standard. This temperature should preferably be one of the temperatures shown in Table 1.	550 °C	P																				
	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Test temperature °C</th> <th>Tolerances °C</th> </tr> </thead> <tbody> <tr><td>550</td><td>± 10</td></tr> <tr><td>600</td><td>± 10</td></tr> <tr><td>650</td><td>± 10</td></tr> <tr><td>700</td><td>± 10</td></tr> <tr><td>750</td><td>± 10</td></tr> <tr><td>800</td><td>± 15</td></tr> <tr><td>850</td><td>± 15</td></tr> <tr><td>900</td><td>± 15</td></tr> <tr><td>960</td><td>± 15</td></tr> </tbody> </table> <p style="text-align: center;">Table 1</p>	Test temperature °C	Tolerances °C	550	± 10	600	± 10	650	± 10	700	± 10	750	± 10	800	± 15	850	± 15	900	± 15	960	± 15		---
Test temperature °C	Tolerances °C																						
550	± 10																						
600	± 10																						
650	± 10																						
700	± 10																						
750	± 10																						
800	± 15																						
850	± 15																						
900	± 15																						
960	± 15																						
	If required by the relevant specification, other test temperatures may be used.		N/A																				
9	Observations and measurements		P																				
	During application of the glow-wire (ta), and during a further period of 30 s, the test specimen, the parts surrounding the test specimen and the specified layer placed below it shall be observed and the following shall be reported:		P																				
	a) whether there is no ignition; or, if there is ignition, the duration, t (to the nearest 0,5 s), from the beginning of tip application up to the time at which the test specimen or the specified layer placed below it ignites;	See appended table	P																				

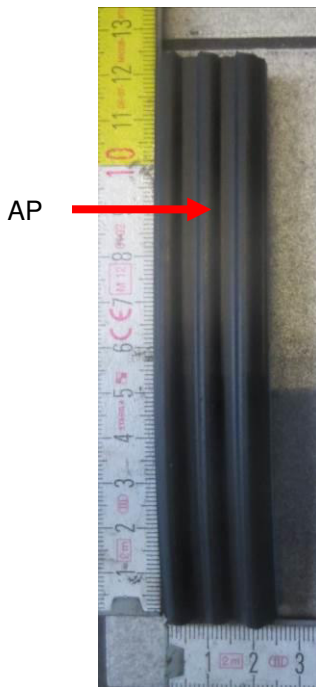
IEC 60695-2-11:2014 / EN 60695-2-11:2014			
Clause	Requirement – Test	Result – Remark	Verdict
	b) the duration (te) from the beginning of tip application up to the time when flames extinguish during or after the period of application;	See appended table	P
	c) whether the test specimen extinguishes by virtue of most of the flaming material being withdrawn with the glow-wire;	See appended table	P
	d) whether the test specimen is totally burned; and	See appended table	P
	e) whether there is any ignition of the specified layer placed underneath the test specimen.	See appended table	P
10	Evaluation of test results		P
	The test specimen is considered to have a GWEPT of T if at a test temperature of T °C,	GWEPT:550	P
	a) there is no ignition, or	No ignition	P
	b) all of the following situations apply when ignition has occurred:		---
	i) if flames or glowing combustion of the test specimen extinguish within 30 s after removal of the glow wire, i.e. $t_E \leq t_A + 30$ s; and		N/A
	ii) the specified layer placed underneath the test specimen does not ignite.		N/A
11	Test report		P
	a) a reference to this International Standard	see page 1	P
	b) a description of the test specimen including type and manufacturer	see page 2	P
	c) a description of the method for preparation of the test specimen (see Clause 4)		P
	d) the conditioning of the test specimens (see Clause 7)		P
	e) the number of test specimens tested	One test specimen	P
	f) the surface tested and the points of application of the glow-wire	see photo 01, AP	P
	g) the specified layer used to evaluate the effect of flaming particles and its vertical distance to the glow wire point of application (see Clause 5)		P
	h) the test temperature (see 8.2)		P
	i) all applicable observations and measurements from Clause 9; and	(see clause 9)	P
	j) the GWEPT as determined in Clause 10 shall be reported in the following manner, for example, for a test specimen tested at 850 °C: GWEPT: 850	(see clause 10)	P
A	Annex A (informative) Suggested GWEPT temperatures		P

Sample	ta [s]	ti [s]	te [s]	Flame or glow time ($t_e \leq t_a + 30s$)?	Paper ignited?	Sample burnt totally?	Verdict
1	30	0	0	Yes	No	No	P

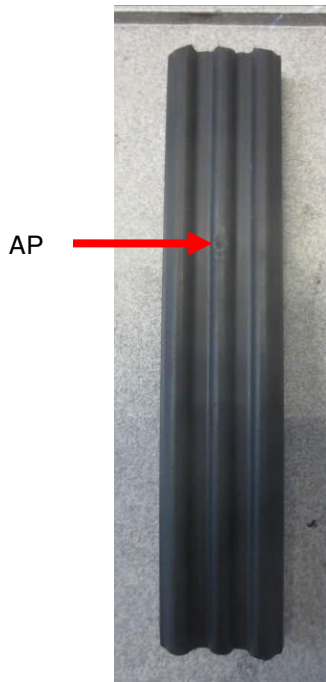
Supplementary information:
All test specimens did not extinguish by virtue of most of the flaming material being withdrawn with the glow-wire.

Photographs

Photo Id	Description
01	Test sample before test
02	Test sample after test



01 Test sample before test



02 Test sample after test

End of Test Report