

TEST REPORT

Applicant : GUARTO s.r.l
Strada Leini, 50-Ingresso Via Acacie
10072 CASELLE TORINESE (TO)
ITALY

Date of request : Order dated on 10th April, 2018 (quotation n°2018/6342)

Flammability test of plastic materials.

Vertical burning test for classification of materials in V-0, V-1, or V-2

Reference document : Standard NF EN 60695-11-10 - 2013 (*)
UL94 Ed.- Jan19, 2018

Product : Reference : Guartofon®Guartorex®

() in its §8 « 50W (20 mm) Vertical Burning Test ; V-0, V-1, or V-2 », UL94:2010 references the international standard IEC 60695-11-10, considered as technicaly equivalent, though not necessarily identical.*

The standard NF EN 60695-11-10:2013 has the French Standard status, and fully reproduces the International Standard IEC 60695-11-10:2013

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It consists of 5 pages.**

1. SAMPLES SUBMITTED

Date of receipt: 20th April, 2018
Presentation at receipt: Specimens (125 ± 5 mm) length and (13 ± 0.5) mm width with 2.5 mm thickness (cut by LNE from a roll)

Information indicated in the information data sheet provided to LNE:

Producer: QUARTO s.r.l
Strada Leini, 50-Ingresso Via Acacie
10072 CASELLE TORINESE (TO)
ITALY

Composition: Polymeric compound (EVA/EPR) with self-extinguishing mineral fillers (barium sulfate, aluminium hydrate)

Density: (1.9 ± 0.1)

Colour(s): Dark grey colour or white colour

Surface finish/tested side: Smooth / same faces

Flame-retardant: Yes

End use: Sound insulation

(information given by the applicant)

2. TEST PROCEDURE

The tests have been carried out on the 25th of May 2018 in accordance with the procedure specified in NF EN 60695-11-10:2013 standard on vertical positioned samples.

Conditioning of 2 sets of 5 specimens at (23 ± 2)°C during at least 48 hours and (70 ± 1°C) during 168 hours.

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3. RESULTS

Vertical burning test

Specimens conditioned at 23 C and 50 % HR

- Afterflame times inferior to 10 s for each tested specimen
- Afterglow times inferior to 30 s for each tested specimen
- No flaming up to the holding clamp
- No ignited droplet or debris

Specimens after ageing:

No important difference is noted in regards with the fire behaviour of the (23 °C / 50 % HR) conditioned specimens.

4. CONCLUSION

As test results indicate, the material referenced «**Guartofon®Guartorex®**» is classified according to the vertical burning test :

- **V-0 @ 2,5 mm**

Trappes, 4 June 2018



Test Officer

Jérémy CIRET

The results which are quoted are only applicable to the samples, the products or materials submitted to the laboratory and which are fully described in this document.

Applicant : GUARTO s.r.l
 Product : Guartofon®Guartorex®

ANNEX 1 - RESULTS

Specimen number	CONDITIONING Temperature : 23 °C Humidity : 50 %						AGEING Temperature : 70 °C Humidity : 0					
	Flame persistence and/or glowing		Remarks		Combustion with flame, glowing		Flame persistence and/or glowing		Remarks		Combustion with flame, glowing	
	A	B/C	D	E	A + B	C - B	A	B/C	D	E	A + B	C - B
1	0	0/0	No	No	0	0	0	0/0	No	No	0	0
2	0	0/0	No	No	0	0	0	0/0	No	No	0	0
3	0	0/0	No	No	0	0	0	0/0	No	No	0	0
4	0	0/0	No	No	0	0	0	0/0	No	No	0	0
5	0	0/0	No	No	0	0	0	0/0	No	No	0	0
Sum : 0						Sum : 0						

- A : t1 combustion time (seconds) with flames after the 1st application
- B : t2 combustion time (seconds) with flames after the 2nd application
- C : t2+t3 combustion time with flames and glowing after the 2nd application
- D : Samples burning up to the holding clamp (yes or no)
- E : Cotton ignition (yes or no)