

## TEST REPORT

Order no: 02.04.2025

Signature: SL/Z-352/60695-2-11/0481a/2025

Police, 24.04.2025

### Test method:

EN IEC 60695-2-11:2021 - Fire hazard testing – Part 2-11: Glowing/hot-wire based test methods - Glow-wire flammability test method for end-products (GWEPT)

**Content of request:** Test according to EN IEC 60695-2-11:2021.

**Sponsor:** ROSA PLAST Sp. z o. o.  
Hipolitowska 102B  
05-074 Hipolitów  
Poland

**Material:** Filament 3D PCTG transparent  
PCTG - policykloheksylenodimetylenotereftalanu

**Composition:** tile 75x75x1,5 mm made using 3D printing technology 100% filling  
colour: transparent  
thickness: 1,5 mm  
density: 1,23 g/cm<sup>3</sup>

**Manufacturer/supplier:** ROSA 3D Filaments  
ROSA PLAST Sp. z o. o.  
Hipolitowska 102B  
05-074 Hipolitów  
Poland

**Result:** GWEPT : 850

**The reprint and the copying:** only with the agreement of ROSA PLAST Sp. z o. o.

Without the written consent of the Sychta Laboratory the report can be copied only in one piece.

Report applies only to the sample tested and is not necessarily indicative of the qualities of apparently identical or similar products.

**Content of test report:** three pages with signature and numbers.

## 1. Glow-wire flammability test method according to EN 60695-2-11

Test conditions – temperature 24°C, humidity 40 %.

Specimens dimensions – 75,0x75,0x1,5 mm.

Time of application of glow-wire - 30 s.

Test temperature °C	No. of specimen t1, s	Ignition of specimen Z <sub>p</sub> Yes/No	Ignition of specified layer Z <sub>b</sub> Yes/No	Ignition time t <sub>i</sub> , s	Extinguish time t <sub>e</sub> , s	Result
850	1	No	No	-	-	OK
	2	No	No	-	-	OK
	3	No	No	-	-	OK

**Remarks:** none.



Fig.1. View of the sample after the test

## 2. Final findings

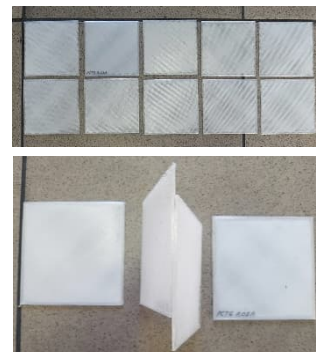
GWEPT of 850 °C in accordance with EN IEC 60695-2-11.

## 3. Remaining required information

**Date of receipt of samples:** 03.04.2025

**Sampling:** Sponsor took and delivered samples.

**Description of the test material:** transparent plastic material with a thickness of 1,5 mm and a weight per unit area of 1,7 kg/m<sup>2</sup>. Sponsor delivered 8 samples marked as: "PCTG ROSA", with dimensions of 75x 75mm.



**Conditioning of specimens:** 24 h at temperatures between 15°-35°C and humidity of 45- 75%.

### Declarations:

1. The test results relate to the behaviour of the test specimens under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the products in use.
2. The information provided on the first page of the report concerning the scope of research and identification of the tested object/objects were provided by the Sponsor.

**Operator:**

  
mgr inż. Katarzyna Krawczak

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**Authorised by:**

  
KIEROWNIK TECHNICZNY  
dr inż. Krzysztof Sychta

Date and place of test - 15.04.2025, Police