



材料及工程實驗室-台中

### 試驗報告



報告編號：TV-16-01216X

頁數：1 OF 3

報告日期：105年04月22日

委託單位：保旺塑膠有限公司  
 地址：雲林縣大埤鄉豐田路55號  
 產品名稱：PVC發泡浪板,PVC屋頂浪板,PVC發泡牆面板  
 產品顏色：銀白色  
 製造廠商：保旺塑膠有限公司  
 供應廠商：保旺塑膠有限公司  
 送驗廠商：保旺塑膠有限公司  
 收件日期：105年03月29日  
 試驗日期：105年03月29日~105年04月22日  
 備註：1.以上資料由顧客提供(收件及試驗日期除外)  
 2.除非另有說明，此報告結果僅對測試之樣品負責  
 未經本公司事先書面同意，此報告不可部分複製

=====  
試驗要求：

1. 垂直燃燒試驗
2. 防焰試驗

試驗方法：

1. UL-94 (2013) 20mm 垂直燃燒試驗
2. CNS 7614(1994) 薄材料防焰性試驗法

試驗結果：

- 請詳附件 -

---1---

  
 報告簽署人

本報告若有提供規範值時，該規範值僅供參考，合格之判定以委託單位實際要求為準。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

## 試驗報告



報告編號：TV-16-01216X

頁數：2 OF 3

報告日期：105年04月22日

=====  
試驗項目：垂直燃燒試驗

試驗結果：

調節狀態 1(溫度 23±2°C, 相對濕度 50±5%, 48 小時)：

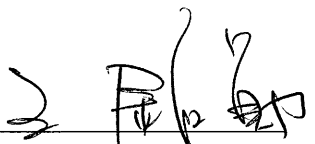
試驗項目	試片					規範要求		
	1	2	3	4	5	V-0	V-1	V-2
試片厚度(mm)	5.48	5.21	5.38	5.48	5.46	-	-	-
每一試片餘焰時間 t <sub>1</sub> (sec)	0	0	0	0	0	≤10 秒	≤30 秒	≤30 秒
每一試片餘焰時間 t <sub>2</sub> (sec)	0	0	0	0	0	≤10 秒	≤30 秒	≤30 秒
每五片一組的總餘焰時間 (5 片各個 t <sub>1</sub> +t <sub>2</sub> 的總和)	0					≤50 秒	≤250 秒	≤250 秒
每一試片第二次點火燃燒後的餘焰加 餘燼的時間 t <sub>2</sub> +t <sub>3</sub> (sec)	0	0	0	0	0	≤30 秒	≤60 秒	≤60 秒
任一試片的餘焰或餘燼燒至夾具	否	否	否	否	否	否	否	否
棉花被燃燒顆粒或熔滴物點燃	否	否	否	否	否	否	否	是

調節狀態 2(溫度 70±1°C, 168 小時, 室溫下冷卻 4 小時)：

試驗項目	試片					規範要求		
	1	2	3	4	5	V-0	V-1	V-2
試片厚度(mm)	5.41	5.45	4.48	5.52	5.24	-	-	-
每一試片餘焰時間 t <sub>1</sub> (sec)	0	0	0	0	0	≤10 秒	≤30 秒	≤30 秒
每一試片餘焰時間 t <sub>2</sub> (sec)	0	0	0	0	0	≤10 秒	≤30 秒	≤30 秒
每五片一組的總餘焰時間 (5 片各個 t <sub>1</sub> +t <sub>2</sub> 的總和)	0					≤50 秒	≤250 秒	≤250 秒
每一試片第二次點火燃燒後的餘焰加 餘燼的時間 t <sub>2</sub> +t <sub>3</sub> (sec)	0	0	0	0	0	≤30 秒	≤60 秒	≤60 秒
任一試片的餘焰或餘燼燒至夾具	否	否	否	否	否	否	否	否
棉花被燃燒顆粒或熔滴物點燃	否	否	否	否	否	否	否	是

-----2-----

本報告若有提供規範值時，該規範值僅供參考，合格之判定以委託單位實際要求為準。

  
報告簽署人

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

## 試驗報告



報告編號：TV-16-01216X

頁數：3 OF 3

報告日期：105年04月22日

=====  
試驗項目：防焰試驗

試驗結果：

試驗項目	試驗方法	試驗結果	規範要求		
			防焰一級	防焰二級	防焰三級
防焰試驗	CNS 7614(1994) A 法	----	防焰一級	防焰二級	防焰三級
火源加熱時間(sec)		10	----		
餘焰時間(sec)		0.0	≤1	≤5	≤5
餘燼時間(sec)		0.0	≤60	≤60	≤60
碳化長度(cm)		3.5	≤5	≤10	≤15

註: 1.本試驗報告 UL-94 垂直燃燒試驗委託 SGS 材料及工程實驗室-台北執行

2.防焰試驗樣品平均厚度 5.2mm

-----oOo-----

本報告若有提供規範值時，該規範值僅供參考，合格之判定以委託單位實際要求為準。

報告簽署人

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.