SGS

材料及工程實驗室-台北

試 驗 報 告

報告編號：HV-15-01283X
頁　　數：1　OF　8
報告日期：2015 年 04 月 02 日

南亞塑膠工業股份有限公司
台北市敦化北路 201 號台塑大樓後棟 3 樓 331 室

我們依照顧客的要求，根據顧客提供的產品敘述如下：

產品敘述：　4.0MM PVC TILE

備註：　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

我們依照顧客的要求，根據顧客送交之樣品進行試驗結果如下：

委託試驗要求：(依照顧客提供之測試規格進行試驗，詳細內容請參照附頁。)

(1) 耐磨耗性
(2) 防焰性
(3) 尺度安定性
(4) 耐衝擊試驗
(5) 甲醛釋放量
(6) 防滑性
(7) 石棉分析

試驗結果：

—如附頁所示—

收件日期：　2015 年 03 月 12 日

試驗日期：　2015 年 03 月 12 日～2015 年 04 月 02 日

高健閔
報告簽署人

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(1) 耐磨耗性

試驗設備：

名稱	廠牌	型號
分析天平	METTLER	XS 204
耐磨耗性試驗機	TABER	5130

實驗室環境條件：

環境溫度：　23±2℃
相對濕度：　65±10%RH

試驗方法：

CNS 3309(1977) 聚氯乙烯塑膠石棉地磚檢驗法

試驗條件：

磨砂輪：　CS-17
試驗荷重：　250g
試驗轉數：　1000 轉

試驗結果：

試驗項目	試驗結果
耐磨耗性(mg)	11.2

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(2) 防焰性

試驗設備：

名稱	廠牌	型號
梅克爾燃燒試驗機	SUGA	FL-45MC

實驗室環境條件：

環境溫度：　23±2℃

相對濕度：　65±5%RH

試驗方法：

CNS 7614(1994)　薄材料防焰性試驗法

試驗條件：

試驗方法：　A 法

試驗結果：

試驗項目	試驗結果	CNS7614(1994) 防焰一級規範值	CNS7614(1994) 防焰二級規範值	CNS7614(1994) 防焰三級規範值
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
炭化長度(cm)	0.0	≦5	≦10	≦15
樣品平均厚度：3.8mm				

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(3) 尺度安定性

試驗設備：

名稱	廠牌	型號
烘箱	駿諺	DV453
可程式恆溫恆濕機	巨孚	GTH-225-60-IP-U
300mm 數位式游標卡尺	ECE	126343

實驗室環境條件：

環境溫度：　23±2℃

相對濕度：　65±5%RH

試驗方法：

參考 CNS 11367(1985)　熱固性樹脂裝飾板檢驗法

試驗條件：

低濕度處理：　70℃，24 小時

高濕度處理：　40℃，95%R.H.，96 小時

試驗結果：

試驗項目		試驗結果
尺度安定性	縱向(%)	0.12
	橫向(%)	0.05
	外觀	目視外觀無異狀

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TWB 3127754

(4) 耐衝擊試驗

試驗方法：

參考 CNS 2215(2012) 粒片板

試驗條件：

球型重錘：　W2-300
試驗高度：　50 cm

試驗結果：

試驗項目	試驗結果
耐衝擊性	無龜裂、剝離、貫穿及裂縫狀態，凹陷直徑 0.0mm

(5) 甲醛釋放量

試驗結果：

試驗項目	CAS NO.	試驗方法	試驗結果		檢測極限	單位
			最大值	平均值		
甲醛釋出量	--	本測試參考 CNS 1349 方法，以分光光度計(UV/VIS)檢測。	N.D.	N.D.	0.0290	mg/L

備註：低於方法偵測極限之測定值以" N.D." 表示。

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(6) 防滑性

試驗方法：

參考 CNS 3299-12(2011)　陶瓷面磚試驗法-第 12 部：防滑性試驗法

試驗結果：

試驗編號	試驗結果		
	1	2	3
表面狀態	使用自來水做為媒介物，散佈量約 400g/m^2		
試驗環境溫度(℃)	20.3		
最大值	0.732	0.738	0.711
最小值	0.729	0.721	0.697
C.S.R 值穿鞋時之防滑係數	0.73	0.73	0.70

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(7) 石棉分析

試驗結果：

測試項目	單位	測試方法	結果 No.1
陽起石棉 / Actinolite (CAS No.: 77536-66-4)	%	參考 CNS 15546:2012 方法/X 光繞射光譜分析法(XRD)與分散染色式偏光顯微鏡(DS-PLM).	Negative
鐵石棉(褐石棉) / Amosite (CAS No.: 12172-73-5)	%		Negative
斜方角閃石棉 / Anthophyllite (CAS No.: 77536-67-5)	%		Negative
溫石棉(白石棉) / Chrysotile (CAS No.: 12001-29-5)	%		Negative
青石棉 / Crocidolite (CAS No.: 12001-28-4)	%		Negative
透閃石棉 / Tremolite (CAS No.: 77536-68-6)	%		Negative

備註：1. mg/kg = ppm；0.1wt% = 1000ppm

2.石棉定性分析試驗範圍：<0.1%~100%，石棉鑑定的判定基準是以檢出含有石棉纖維為『Positive』，未檢出石棉纖維為『Negative』。

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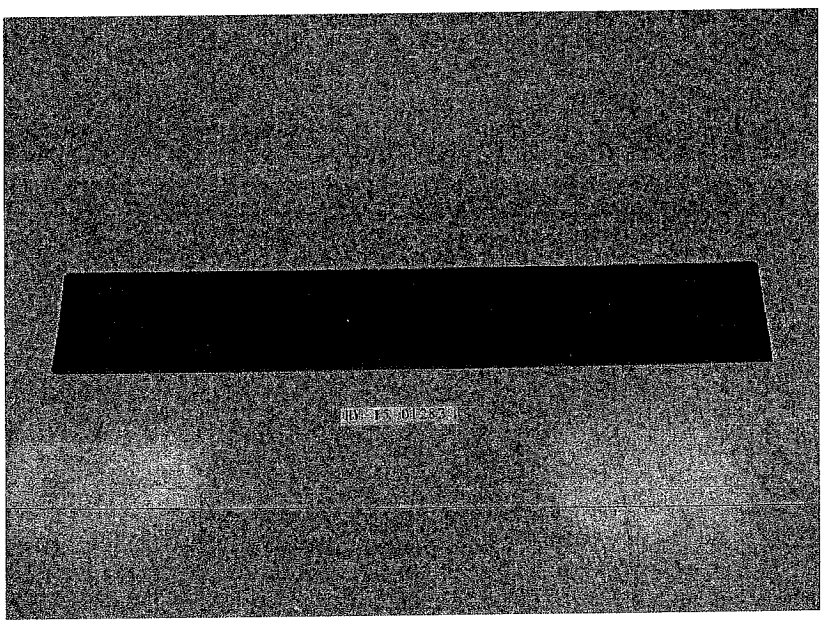
試驗照片：



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