

化學實驗室-高雄

試驗報告

號碼：KU/2018/60053A-01

日期：2018/07/30

頁數：1 of 4

台灣塑膠工業股份有限公司
高雄市林園區石化一路1號

以下測試樣品係由申請廠商所提供及確認：

送樣廠商：台灣塑膠工業股份有限公司
樣品名稱：無規共聚物聚丙烯
樣品型號：5003, 5018T, 5060T, 5070, 5071, 5090T, 5090R, 5200U, 5200XT, 5250T, 5350T, 5450XT
樣品材質：100%聚丙烯共聚物
收件日期：2018/06/20
測試期間：2018/06/20 TO 2018/07/30

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測試需求：依據客戶指定，參考Commission Regulation (EU) No 10/2011及其修訂條文，European Regulation No. 1935/2004 第3條進行測試，測試項目請參閱測試結果表格。

測試結果：請參閱下一頁。

張伯睿
報告簽署人/張伯睿 博士/技術經理


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台灣塑膠工業股份有限公司
 高雄市林園區石化一路1號

測試結果

測試部位 No. 1 : 半透明塑膠片

通過

測試項目	單位	測試方法	MDL	結果	限值
				No. 1	
總遷移測試 (3%醋酸)	mg/dm ²	參考EN 1186 (2002) (40°C, 10 天)	3.0	n. d.	10
替代試驗(95%乙醇)	mg/dm ²	參考EN 1186 (2002) (40°C, 10 天)	3.0	n. d.	10
替代試驗(異辛烷)	mg/dm ²	參考EN 1186 (2002) (20°C, 2 天)	3.0	5.80	10
初級芳香胺遷移 (PAA)	mg/kg	參考EN 13130-1 (2004)及BfR recommendation XXI, 以可見光紫外光分光光譜儀分析。(3%醋酸, 40°C, 10 天)	0.002	n. d.	0.01 (▲1)
鋁	mg/kg	參考EN 13130-1 (2004), 以感應耦合電漿原子發射光譜儀(ICP-AES)分析。(3%醋酸, 40°C, 10 天)	0.25	n. d.	1
銀	mg/kg		0.25	n. d.	1
鈷	mg/kg		0.01	n. d.	0.05
銅	mg/kg		0.25	n. d.	5
鐵	mg/kg		0.25	n. d.	48
鋰	mg/kg		0.5	n. d.	0.6
錳	mg/kg		0.25	n. d.	0.6
鎳	mg/kg		0.01	n. d.	0.02
鋅	mg/kg	參考EN 13130-1 (2004), 以感應耦合電漿原子發射光譜儀(ICP-AES)分析。(3%醋酸, 40°C, 10 天)	0.5	n. d.	5

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Remark：

- (▲1)：限值是依據Council of Europe Resolution AP (2004) 4.
- 替代試驗：客戶選擇(EU) No 10/2011遷移測試條件為OM2，依EN 1186-1及EN 13130-1要求轉換為對應之替代試驗條件。

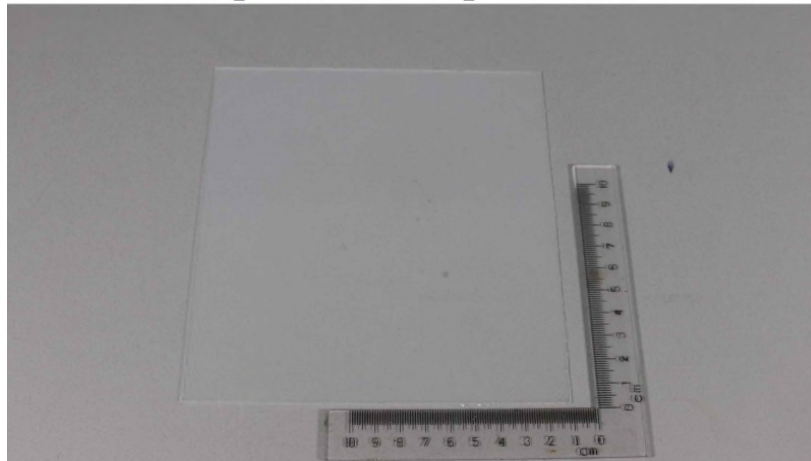
Test condition with simulant D2	Test condition with simulant ethanol 95%	Test condition with simulant iso-Octane
10 day at 40°C	10 day at 40°C	2 day at 20°C

備註：

1. mg/kg = ppm; 0.1wt% = 1000ppm
2. mg/dm² = milligram per square decimeter
3. °C = 攝氏溫度
4. MDL = Method Detection Limit (方法偵測極限值)
5. n.d. = Not Detected = below MDL (未檢出 / 低於MDL)
6. 測試條件及模擬液是由客戶指定。
7. 此為2017/07/30所發行KU/2018/60053之加發報告，原始資料請參考KU/2018/60053.

* 照片中如有箭頭標示，則表示為實際檢測之樣品/部位。 *

KU/2018/60053



** 報告結尾 **