

化學實驗室-高雄

試驗報告

號碼：KU/2018/60015A-01

日期：2018/07/12

頁數：1 of 4

台灣塑膠工業股份有限公司

83245高雄市林園區石化一路1號之1

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：均聚物聚丙烯
樣品型號：1003, 1005, 1005N, 1005T, 1009, 1020, 1020L, 1020T, 1024, 1024T, 1030T, 1040, 1040F, 1040U, 1080, 1100, 1120, 1120D, 1124, 1124H, 1202F, 1250D, 1252F, 1350D, 1352F, 1352S, 1450D, 1600A, 1600D, 1600N, 1700D, 1900D, 1990, 2020, 2020H, 2020S, 2080, 2100, 2100M, 2100T, 6005P, 6020P
樣品材質：100%聚丙烯
收件日期：2018/06/07
測試期間：2018/06/07 TO 2018/07/12

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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
SGS TAIWAN LTD
SGS
TAIWAN
報告簽署人張伯睿 博士/技術經理

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測試結果

測試部位 No. 1 : 白色塑膠片

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	n. d.	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)：限值係依據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2017/07/12所發行KU/2018/60015之加發報告，原始資料請參考KU/2018/60015.

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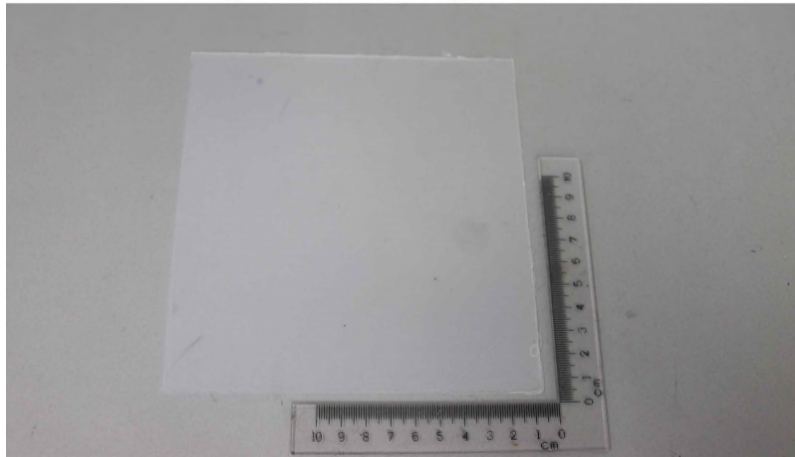
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* 照片中如有箭頭標示，則表示為實際檢測之樣品/部位。 *

KU/2018/60015



** 報告結尾 **

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