

試驗報告



報告編號：KV-14-12639X

頁數：1 OF 6

報告日期：104年01月08日

本實驗室依照委託單位之要求,根據委託單位所提供之樣品敘述如下：

產品名稱：乳膠墊材
產品顏色：乳白色
收件日期：103年12月23日
試驗日期：103年12月23日~104年01月08日
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

本實驗室依照委託單位之要求,根據委託單位所提供之樣品進行試驗,結果如下：

委託試驗要求：(依照客戶提供之測試規格進行試驗，詳細內容請參照附頁。)

1. 橡膠材質
2. 膠含量
3. 八大重金屬檢測(EN-71 Part 3)

試驗結果：--如附頁所示--

----- 1 -----

本報告若有提供規範值,該規範值僅供參考,合格之判定以委託單位實際要求為準

顏瑞旗

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：KV-14-12639X

頁數：2 OF 6

報告日期：104年01月08日

1. 橡膠材質 & 2. 膠含量

試驗設備：

| 名稱 | 廠牌 | 型號 |
|------------|----|-------|
| 熱重分析儀(TGA) | TA | Q-500 |

試驗條件：

試驗溫度：以 10°C/min 的升溫速率自室溫掃描至 800°C

通入氣體：氮氣(N₂), 純度 99.999%, 流量 50mL/min

試驗結果：

| 試驗項目 | 試驗方法 | 試驗結果 |
|--------|-------------------------------|----------------------------------|
| 橡膠材質 | 1. TGA 2. 參考 ASTM D5712-10 | 主要成分含天然橡膠(NR)+ 苯乙烯-丁二烯橡膠(SBR) |
| 膠含量(%) | TGA | 74.95 |

----- 2 -----

顏瑞旗

報告簽署人

本報告若有提供規範值, 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：KV-14-12639X

頁數：3 OF 6

報告日期：104年01月08日

試驗圖譜：橡膠材質

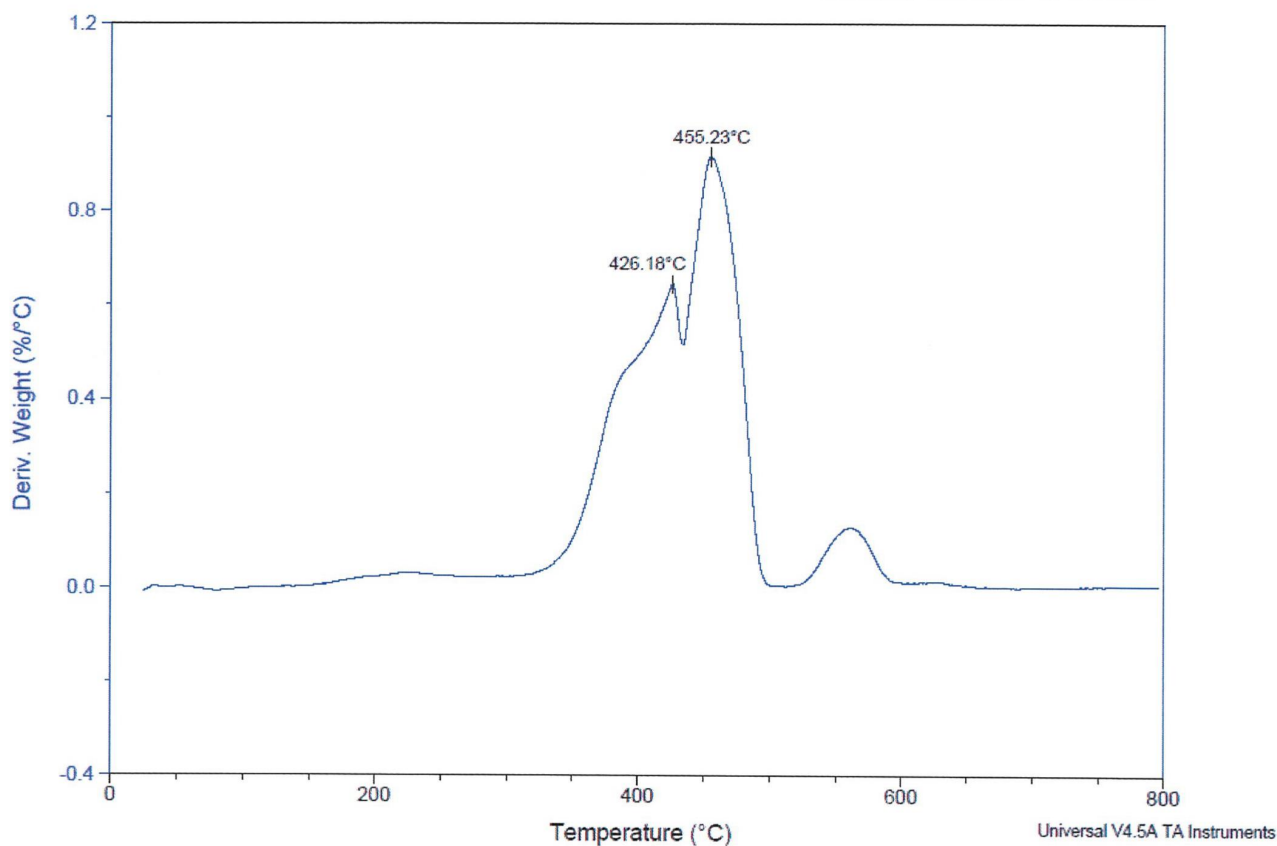
Sample: KV-14-12639
Size: 10.6130 mg

TGA

File: C:\...TGA0269\201412\KV-14-12639.002

Run Date: 31-Dec-2014 13:47

Instrument: TGA Q500 V6.7 Build 203



----- 3 -----

顏端旗

報告簽署人

本報告若有提供規範值，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-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.

TWB 4699409

試驗報告



報告編號：KV-14-12639X

頁數：4 OF 6

報告日期：104年01月08日

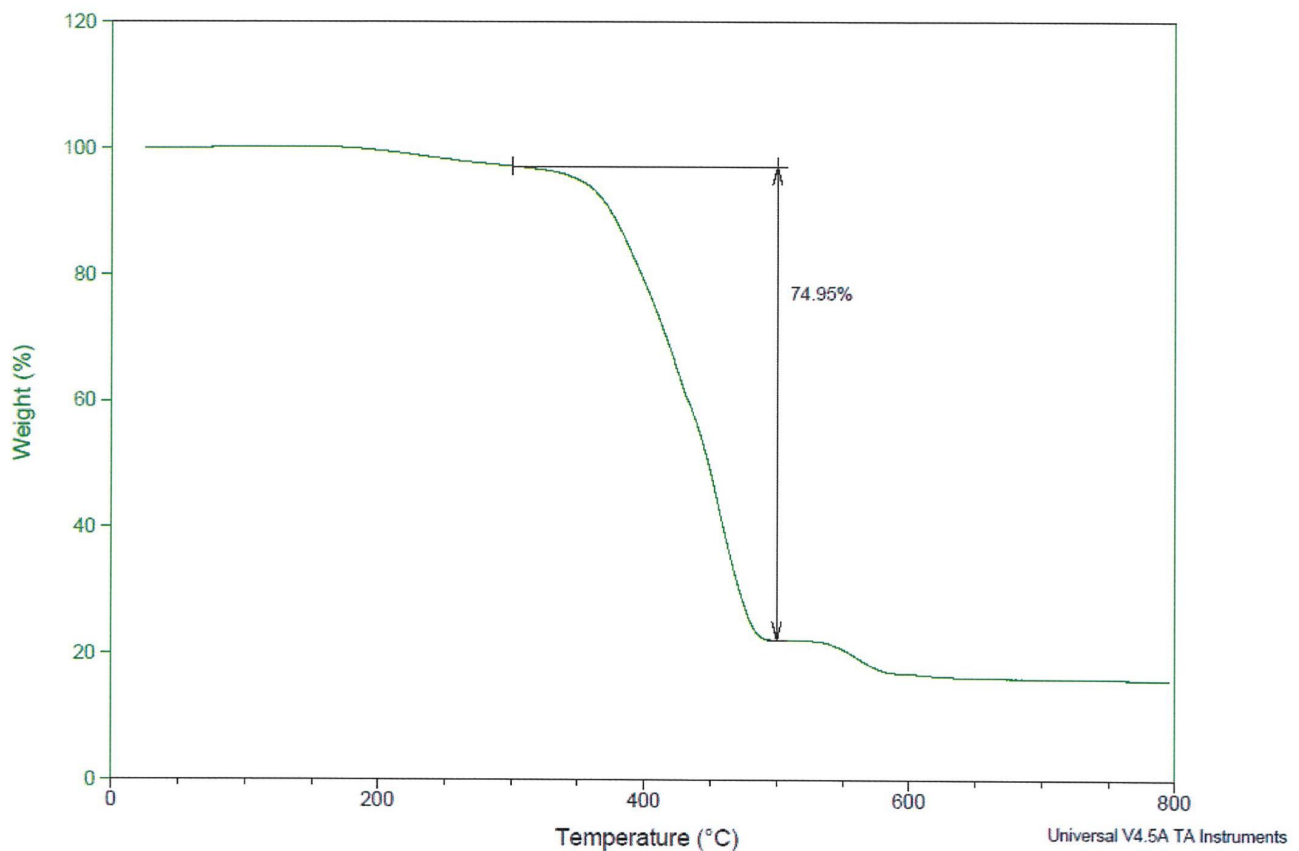
試驗圖譜：膠含量

Sample: KV-14-12639
Size: 10.6130 mg

TGA

File: C:\...TGA0269\201412\KV-14-12639.002

Run Date: 31-Dec-2014 13:47
Instrument: TGA Q500 V6.7 Build 203



----- 4 -----

蔡端旗

報告簽署人

本報告若有提供規範值，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：KV-14-12639X

頁數：5 OF 6

報告日期：104年01月08日

3.八大重金屬

| 測試項目 | 單位 | 測試方法 | 方法偵測 | 結果 |
|----------------------------------|-------|---|------|------|
| | | | 極限值 | NO.1 |
| 歐洲玩具標準 EN 71 PART 3 特定元素遷移 | | 參考歐洲玩具標準 EN 71 PART 3: 1994 (EN 71 & BS 5665 are identical) | | |
| 溶出鎘 | mg/kg | 用感應耦合電漿原子發射光譜儀 (ICP-AES)做分析 | 5 | n.d. |
| 溶出砷 | mg/kg | | 2.5 | n.d. |
| 溶出鋇 | mg/kg | | 10 | n.d. |
| 溶出鎘 | mg/kg | | 5 | n.d. |
| 溶出鉻 | mg/kg | | 5 | n.d. |
| 溶出鉛 | mg/kg | | 5 | n.d. |
| 溶出汞 | mg/kg | | 5 | n.d. |
| 溶出硒 | mg/kg | | 5 | n.d. |

備註：1. mg/kg = ppm ; 0.1wt% = 1000ppm

2. n.d. = Not Detected / 未檢出

3. MDL = Method Detection Limit / 方法偵測極限值

----- 5 -----

蔡端旗

報告簽署人

本報告若有提供規範值，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：KV-14-12639X

頁數：6 OF 6

報告日期：104年01月08日

樣品照片：



----- oOo -----

賴端旗

報告簽署人

本報告若有提供規範值，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.

TWB 4699412