

試驗報告



報告編號：KV-21-06240

頁數：1 OF 4

報告日期：111年05月04日

南亞塑膠工業股份有限公司

產品名稱：南亞防蝕漆

產品型號：SRP-05-1

送驗廠商：南亞塑膠工業股份有限公司

收件日期：110年07月08日

試驗日期：110年07月08日~111年05月04日

備註：1.以上資料(樣品名稱、送驗人員、會驗人員、試驗方法、試驗數量、收件日期及試驗日期除外)及下述報告內容標示#處係由顧客提供
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

#樣品資訊：

原廠公司/代理商	總膜厚(μm)	測試溫度選項	測試材質	第一道漆名稱 厚度(μm)	第二道漆名稱 厚度(μm)	第三道漆名稱 厚度(μm)
南亞塑膠工業股份有限公司	320	常溫	碳鋼	SRP-05-1 南亞防蝕漆 / 120 μm	SRP-05-1 南亞防蝕漆 / 120 μm	SRS-12 南亞酷樂漆 / 80μm

試驗結果：

試驗項目	試驗方法	試驗結果
第1組：耐候老化鹽霧試驗(4200 h) (UV 照射/72 h→鹽水噴霧/72 h→ -20 °C /24 h，共 25 循環)	ISO 12944-9(2018) NORSOK M-501(2012) ISO 16474-3(2013) ISO 9227(2017) ISO 4628-1(2016) ISO 4628-2(2016) ISO 4628-3(2016) ISO 4628-4(2016) ISO 4628-5(2016) ISO 4628-6(2011) ISO 12944-9(2018)	起泡：2 (S5) 銹蝕：Ri 0 龜裂：0 (S0) 剝落：0 (S0) 粉化：2 級 M = 5.52
切割腐蝕蔓延(mm)		
拉拔試驗(MPa)		
第2組：原始試片	ISO 4624(2016)	8.0
第1組：經耐候老化鹽霧試驗		10.0
拉拔試驗保持率(%)		125
第3組：浸泡試驗		
95 °C沸水/1 h	ASTM D1308-20	無起泡、無隆起、無軟化、無起皺
5 % H ₂ SO ₄ /72 h		無起泡、無隆起、無軟化、無起皺
5 % NaOH/72 h		無起泡、無隆起、無軟化(註3)、無起皺
95 汽油/72 h		無起泡、無隆起、無軟化、無起皺

----- 1 -----

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

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試驗報告



報告編號：KV-21-06240

頁數：2 OF 4

報告日期：111年05月04日

試驗結果：

試驗項目	試驗方法	試驗結果
鉛筆硬度(刮傷硬度)(荷重：1000 g) 原始試片	ASTM D3363-20	4B
經浸泡 5 % NaOH/72 h 後(恢復期 2 週以上)		4B

註：1. 耐候試驗條件：

燈管：UVA-340

照射能量：0.83 (W/m²·nm) 在 340 nm

每一循環條件：(1) 4小時照光；黑板溫度：(60 ± 3) °C；

(2) 4小時冷凝；黑板溫度：(50 ± 3) °C；

2. 鹽水噴霧試驗條件：

鹽液溶液：(50 ± 5) g/L。

試驗室溫度：(35.0 ± 2.0) °C。

飽和空氣溫度：(46 ~ 49) °C。

噴霧量(mL/hr/80cm²)：(1.5 ± 0.5)。

收集鹽霧 pH 值：(6.5 ~ 7.2)。

收集鹽霧比重：(1.029 ~ 1.036)。

試片擺放角度：(15 ~ 25) °。

3. 依委託單位指定，浸泡試驗 5 % NaOH 後，不做立即判定，將試片靜置於室溫下恢復 2 週以上後再執行鉛筆硬度試驗，並與原始試片比較其刮傷塗膜硬度，若原始試片與浸泡後的硬度測試結果相同，則評定為無軟化。

4. 本試驗報告耐候老化鹽霧試驗、浸泡試驗為 TAF 認證範圍，其餘則非。

5. 本試驗報告之試驗地點同實驗室地址。

----- 2 -----

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試驗報告

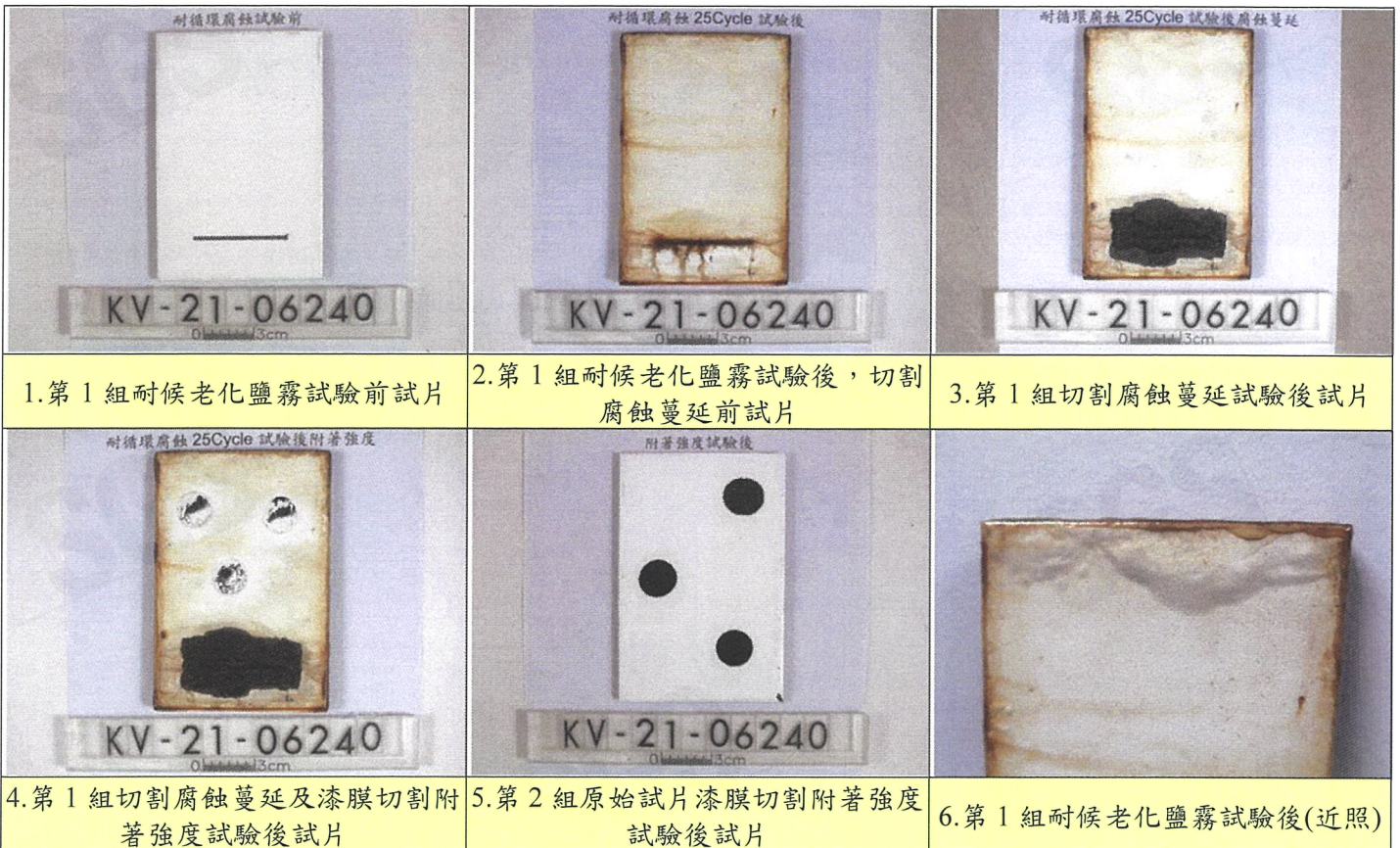


報告編號：KV-21-06240

頁數：3 OF 4

報告日期：111年05月04日

試驗照片：



----- 3 -----

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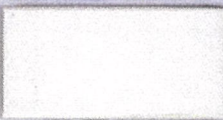
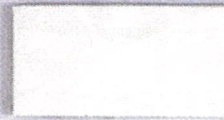



報告編號：KV-21-06240

頁數：4 OF 4

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試驗照片：

<p>耐沸水試驗後</p>  <p>KV-21-06240 0 1 2 3 cm</p>	<p>耐 H₂SO₄ 試驗後</p>  <p>KV-21-06240 0 1 2 3 cm</p>	<p>耐 NaOH 試驗後</p>  <p>KV-21-06240 0 1 2 3 cm</p>
<p>1. 第 3 組 95°C 沸水試驗後試片</p>	<p>2. 第 3 組 5% H₂SO₄ 試驗後試片</p>	<p>3. 第 3 組 5% NaOH 試驗後試片</p>
<p>耐 95 汽油試驗後</p>  <p>KV-21-06240 0 1 2 3 cm</p>	<p>-N/A-</p>	<p>-N/A-</p>
<p>4. 第 3 組 95 汽油試驗後試片</p>	<p>N/A</p>	<p>N/A</p>

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