



Double Coated PET Tapes

8003

聚酯基材雙面膠帶

April. 10th, 2008

產品結構:

產品編號	膠系/ 顏色/ 膠帶厚度 (不含離型紙)	表面膠層 Faceside adhesive	基材	背面膠層 Backside adhesive	首要離型紙 Primary liner 顏色, 形式, 印刷	離型紙 厚度
8003	壓克力膠 半透明, 0.0011" (0.03mm)	0.0003" (0.009mm)	聚酯 PET, 0.0005" (0.013mm)	0.0003" (0.009mm)	Blue PET with yellow 3M printing	0.05mm

產品描述:

聚酯基材雙面膠帶 8003, 係以聚酯薄膜為基材, 對於膠帶裁切加工之尺寸穩定性佳, 並於貼合及沖切加工具有優異之操作性. 其壓克力膠系結合高黏著力與優異之剪切力, 保持力之特性, 適合各種表面之貼合, 包括多種塑膠件.

聚酯基材雙面膠帶 8003, 係適用於電子產品之系統組立, 平面顯示器產業之需求設計, 諸如銘板, 光學薄膜之黏貼, 泡棉, 絕緣膜之貼著固定.

產品特徵

- 3M 8003 係膠性軟硬適中之感壓膠系統, 其主要之特性表現結合高黏著強度與高保持力, 剪切力特性, 且可貼合於各種表面, 包含多種塑膠表面
- 3M 8003 具優異之尺寸穩定性, 可避免不當之延伸, 有更精準操作過程.

典型之物性與貼合表現

Note: 以下之技術資料係屬典型之測試數據-非供特殊情形使用

對 PP 板黏性: (ASTM D3330, 180 度剝離)	(Kg/in)
20 minutes RT	0.8
14 days RT	1.1
對 ABS 板黏性 (ASTM D3330, 180 度剝離)	(Kg/in)
20 minutes RT	1.2
14 days RT	1.5
對 PC 板黏性 (ASTM D3330, 180 度剝離)	(Kg/in)
20 minutes RT	1.2
14 days RT	1.6
對 PET 板黏性 (ASTM D3330, 180 度剝離)	(Kg/in)
20 minutes RT	1.2
14 days RT	1.5
對 PVC 板黏性 (ASTM D3330, 180 度剝離)	(Kg/in)
20 minutes RT	0.9
14 days RT	1.3
對不鏽鋼板黏性: (ASTM D3330, 180 度剝離)	(Kg/in)
20 minutes RT	1.1
14 days RT	1.7

保持力: (ASTM D3654, 1×1 英吋, 1000 克負重, 不鏽鋼板)

22°C 10,000+ minutes

耐溶劑性: 好

抗 UV 特性: 好

高溫耐受性

耐溫範圍:

長期耐溫 (天, 週) 121°C(250°F)

短期耐溫 (分鐘, 小時) 149°C(300°F)

膠帶使用操作程序

貼合表現與有效貼合面積息息相關, 堅實之感壓程序可明顯增加膠帶之貼合表現。以下系 3M 建議之標準膠帶使用操作程序:

- (a) 欲達最佳黏著, 黏著表面必需清潔與乾燥。一般建議以布沾取1:1 比例之IPA (Isopropyl Alcohol, 異丙醇) 與水的混合溶液進行表面擦拭清潔後, 待表面完全乾燥。(注意: 使用IPA前, 請先參照此溶劑之建議注意事項)。
- (b) 在清潔溶劑乾燥後, 將膠帶貼合於黏著表面, 以滾筒或其他方式 (刮板) 平均施以約 15psi (1.05公斤/cm²) 之壓力, 使其有效貼合。
- (c) 將膠帶離型紙撕除, 然後將欲貼著之材質貼上, 同樣施以15psi 之壓力, 使其有效貼合, 若欲去除氣泡, 建議加大壓力, 以物品所承受之限度為上限。
- (d) 建議理想的施工溫度介於15°C 至38°C 之間, 勿低於10°C。
- (e) 欲使膠帶保存至使用時仍具有穩定的品質, 建議之儲存環境為21°C和50%相對濕度。
- (f) 黏貼膠帶時, 宜以一端先貼合後, 再緩壓至另一端, 以減低氣泡產生之機率。

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