

聚胺酯彈性纖維製程技術之探討=studies on the processing technology of polyurethane elastic fiber

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摘要

近年來紡織業市況欠佳，化纖及紡紗各項產品的售價都創下歷史新低紀錄。然而，彈性纖維、彈性包紗、彈性布料及具有彈性的成衣服飾，卻是大賣。不管是彈性纖維長、短纖包紗廠的獲利情況，皆比一般紡織廠為佳。因此吸引紡織業大、小工廠卯足勁投入生產，其成長速度，業者形容「無法預估，擴建案隨時增加中」，至於上游業者則是想盡辦法，引進國外技術或購進原料，以推出國產彈性纖維。由於彈性纖維運用範圍日漸廣泛，故彈性纖維近年來已成為衣著用料之基本素材。根據杜邦公司預估，每年台灣LYCRA[®]之需求量以20%之速度成長，而整個亞太地區LYCRA[®]之使用量則以10%之速度成長，故縱使台灣各大化纖廠近來紛紛推動擴建，未來幾年彈性纖維應仍呈現需求大於供給之態勢。若以彈性纖維紗、布近來風靡全球紡品市場之程度，稱之為紡織業的「明日之星」，實不為過。本研究即針對各種聚胺酯彈性纖維之製程技術，做一完整之探討，比較各製程之優劣、價值，希能對國內有意開發此一產品之廠商，提供先期作業之參考。

關鍵詞：聚胺酯；彈性纖維

目錄

封面 簽名頁 授權書 1 授權書 2 中文摘要	v 英文摘要
.....vi 誌謝.....	vii 目錄.....
.....viii 圖目錄	x 表目錄
.....xi 第一章 研究背景.....	1 第二章 聚胺基甲酸酯彈性體.....
.....3 2.1 基本結構	3 2.2 聚胺基甲酸酯組成.....
.....5 第三章 彈性纖維	25 3.1 依紡絲製程方法及公司分類
.....27 3.2 依原料配方分類	43 3.3 台灣目前的發展狀況
.....43 第四章 目前聚胺酯彈性纖維之市場概況.....	55 4.1 依製程方法統計
.....55 4.2 依公司佔有率統計	58 4.3 依地區供需統計
.....58 4.4 台灣目前之市場	63 第五章 結論
.....63	66 參考文獻
.....68	

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