

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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ABSTRACT

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。

Keywords : 聚胺酯 ; 彈性纖維

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