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### The Researchment of Knitted Antifouling Fabrics and the Splicing Design on Leather Garment

**Journal** [Advanced Materials Research](#) (Volume 331)

**Volume** [Advances in Textile Engineering](#)

**Edited by** Rui Wang and Huawu Liu

**Pages** 543-546

**DOI** 10.4028/www.scientific.net/AMR.331.543

**Citation** Hong Tao Deng, 2011, Advanced Materials Research, 331, 543

**Online since** September, 2011

**Authors** [Hong Tao Deng](#)

**Keywords** [Antifouling](#), [Knitted Fabric](#), [Leather Garments](#), [Splicing Design](#)

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Advanced Materials Research Vol. 331 (2011) pp 543-546  
Online available since 2011/Sep/02 at [www.scientific.net](http://www.scientific.net)  
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doi:10.4028/www.scientific.net/AMR.331.543

## The Researchment of Knitted Antifouling Fabrics and the Splicing Design on Leather Garment

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**Keywords:** knitted fabrics, antifouling, leather garments, splicing design.

**Abstract.** The garments splicing together the knitted and leather are main products in leather garment market in recent years. In view of the reflection of terminal market, the contradiction between washing and maintenance method of knitted and leather fabrics and undesirability of splicing design are the main factor that influence promotion of products. Through the antifouling treatment of the knitted fabrics, it make them have the function of waterproofness, oilproofness and antifouling; Splicing knitted fabrics on the parts that are easy to wear out and easy to be restained, and other parts that impact comfort and produce esthetic fatigue on the leather garments, it meet the multivariant need of consumers' comfort and fashion more. On this basis, Taking integrative consideration of combinative match, stitching technics splicing design, splicing reasonability of fabrics and garments style, it initially form theoretical basis of splicing design of antifouling knitted fabric on leather garment.

### Introduction

In the leather garments, knitted fabrics are the fashion trend, are the need that consumers pursuit individuation and emphasize co-existence of fashion and taste, are the need that enterprise seek survival and capture the market[1]. But in view of current marketing situation, on the one hand, because of the difference between washing and maintenance method of knitted and leather fabrics, it lower the practical performance of this splicing design, on the other hand, because of the undesirability of splicing design, it affect the depth and breadth of such products' promotion. It adopt fluorinated compounds to make antifouling organization to knitted fabrics, make them not easy to stick dirt, and make sticking dirt easy to clean and not easy to stick again[2]. Then in accordance with the principle of combination of practicality and esthetic, it slice together antifouling knitted fabrics and leather fabrics, it will be widely loved by consumers after the products are launched on the market.

### Knitted Fabrics are Easy to Make Antifouling Organization

**Fabric.** 3% spandex, 9% polyester, 23% wool, 65% acrylic; 9 stitch; 2\*1 ribbing.

**Technics Process.** fabric pre-treatment → water washing → drying → dipping organization liquid → drying → baking.

**Pre-treatment Technics Prescription.** Deoiling liquid 4g/l; penetrating liquid 2g/l; Na<sub>2</sub>CO<sub>3</sub> 1g/l washing time 30 min; washing temperature 100°C.

**Technics Prescription of Antifouling Treatment.** PM-492 organization liquid: 60g/l; catalyst: 8g/l; baking temperature: 150°C; baking time: 60min; Ph: 5.5~6.5.

### Performance testing of products

**Test Method of Washing.** Washing equipment: household washing machines; washing powder: 2g/L; bath ratio: 1:30; washing temperature: 30 °C; pH < 9; washing time: 10min.

Drainage, clear, dehydration, drying are one time of washing, until 10 times of Washing.

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